ATLAS of ODOR CHARACTER PROFILES



Andrew Dravnieks

ASTM DS 61

ATLAS OF ODOR CHARACTER PROFILES

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FOREWORD

This atlas is a result of the work of many individuals. Some of the following people were actively assisting throughout the project, in addition to organizing the profile data collection within their organizations:

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The following organizations participated in all or in a part of the profiling project, with most of them providing up to ten panelists per sample per organization, and collectively donating approximately 3000 hours of panelists' time:

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U.S. Geological Survey, Gulf Coast Hydroscience Center, NSTL Station, Mississippi 39529.
Warner-Lambert Institute, Morris Plains, New Jersey 07950.

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Related ASTM Publications

Compilation of Odor and Taste Threshold Values Data, DS-48A (1978), 05-048010-36
Correlation of Subjective-Objective Methods in the Study of Odors and Taste, STP 440 (1968)
Manual on Consumer Sensory Evaluation, STP 682 (1979) 04-682000-36.
Guidelines for the Selection and Training of Sensory Panel Members, STP 758 (1981), 04-758000-36.

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Introduction

Character or quality of odor is a sensory property of many substances that is important in food and beverage sciences, technology of many industrial products, air and water pollution, indoor air quality control, cosmetics and hygiene, botany, psychology of interpersonal relations, medicine, and other unnamed fields.

In odor evaluations and panelist selection for such evaluations, there is a need for odor reference samples with known odor character. In evaluations, unknown odors may be compared to the reference odors; in panelist selection, those who appear to perceive odors in terms similar to the majority of people can be distinguished from those who have different perceptions. Profile data, especially with help from Table 161, can illustrate various descriptors and instruct panelists on specific odor characteristics. Beyond the distinction in the odor perception, causes for differences in odor perception can be explored.

The ASTM Odor Profiling project was designed to develop odor character information on odors of various types, ranging from the very pleasant to the very unpleasant. The present Atlas is a compilation of the collected information and should serve the various tasks of characterization of unknown odors (by similarities or dissimilarities to the odors characterized by the Atlas), panelist selection, panelist training, and as a data base for research in the science of smell.

The method selected to characterize odors for the purpose of the Atlas is based on semantic profiling of odors. A list of odor descriptors is provided to the panelists, who smell the odorous sample and describe its odor by rating the applicability of each of the descriptors on a scale of 0 to 5. A score of 0 means that the descriptor is not applicable to the odor evaluated; a score of 5 means that the descriptor is highly appropriate.

Figure 1 is a reproduction of the odor evaluation form used in the work. Figure 2 depicts the form of sample in which the odorous materials were supplied to the panelists for evaluation. Odorants were dissolved in a low-odor dipropylene glycol to obtain a concentration exhibiting a noticeable but not too strong odor. Balsa wood chips were impregnated with this solution and sealed within an aluminum "boat" and cover packets, and held together with a low-odor silicone self-adhesive tape. Each panelist received a separate sample and evaluation form, with both the sample and form coded. For an evaluation, the packet was opened, the sample smelled, and the applicability of each descriptor scored (except 0 applicability which was left unmarked).

Data from such profiling were pooled for all (120–140) panelists. Two statistical measures can be derived from such data:

(1) **percentage of usage** or the percentage of people who used the particular descriptor for the particular sample and:

(2) **score level for this descriptor.** With a maximum score level of 5, the maximum total score sum is equal to the number of panelists multiplied by 5. When the sum of the scores given by all panelists to the particular descriptor is divided by this maximum score sum, the ratio can be expressed as a **percentage of the maximum possible score.**

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Experience has shown that the most equitable indicator of the descriptor applicability is the geometric mean of the **percent usage** and **percentage of the maximum possible score.** This mean is termed **percentage of applicability**. The profile tables list values for this index and the percent usage. The percent applicability is graphically illustrated in the tables, with each star equal to four percent of applicability. This increment is approximately equal to the standard deviation of the percent applicability in repeated profiling of the same odor by a large number of people.

In the odor evaluation forms shown in Figure 1, the ordering of descriptors follows the principle used by Harper. Descriptors are arranged so that similar descriptors are not next to each other, and descriptors with an unpleasant connotation are intermixed with those of pleasant connotation. This arrangement should result in a more independent consideration of each descriptor during profiling and should reduce the tendency of subordinating some descriptors to others. When converting to odor profiles, the descriptor order is changed so that the related descriptors are clustered next to each other. This arrangement permits inspection in terms of clusters—different panelists may use similar but not identical descriptors for the same odor. This becomes evident in the profiles shown in Tables 1 through 160.

The Historical and Technical Notes section provides some information on odor profiling development within ASTM and lists a few references where such information can be found.

Description of Table Organization

Odor character profiles of odorant chemicals and mixtures are given in Tables 1 through 160. Tables 1 through 144 are profiles of odorant chemicals. Tables 145 through 159 are profiles of some mixtures, including several essential oils. Table 160 is the profile of solvent—low-odor dipropylene glycol—used to dilute samples of odorant chemicals and mixtures. Six odorants were evaluated at two different concentrations, and, therefore, each is represented by two profile tables. The six chemicals were aldehyde C-16 (so-called), 2-ethyl pyrazine, hexyl amine, beta-ionone, phenyl ethanol, and toluene.

Table 161 is a list of odorants most representative of each of the 146 odor descriptors. A maximum of five most representative odorants are shown for each of the descriptors. Table 162 lists sources of odorant samples. Table 163 contains the customary (such as used in the profile table headings) and alternate names of odorant chemicals, and shows the profile table numbers where the corresponding profiles can be found.

Odorant chemical and mixture names in common use are used in the table headings.

Historical and Technical Notes

Historical

Although use of odor descriptors for characterization of odors is as old as the odor science itself, most earlier efforts tried to reduce the number of descriptors to a few mutually independent ones which would have a fundamental significance. Harper[1] allowed for some overlap of descriptors and broadened their number to 44, designed to represent odor qualities of interest to the food industry.

In an early approach to the odor characterization, ASTM Sensory Evaluation Committee E18 collected (from literature and industrial tabulations) over 800 terms used in odor character evaluations.[2] Later, the Committee used about 100 individuals from several organizations to classify these descriptors into three groups—useful, useless, and in-between—when applied to odor descriptions of odors in general. It was, of course, realized that some specific industries have a need for specific descriptor sets, even though some descriptors may not be useful in characterizing the odors in general. Such industry-specific descriptors were not included in the useful list. About 160 from the over 800 descriptors were voted useful.

Meanwhile, experience with the air pollution samples at IIT Research Institute, Chicago, Illinois, indicated that odors quite different in character sometimes yield very similar profiles when rated on the 44-descriptor Harper's scale. Consultations with Harper and a number of industrial organizations, and a review of ASTM's "useful descriptors," led first to a 132-descriptor,[2] and finally to a 146-descriptor list[2] (reproduced in Figure 1 and used in the collection of data for this Atlas).

An early question considered two methods of odor characterization: one using physical samples of reference odorants and rating the unknown odor for similarities/dissimilarities to the odors of each of the reference odorants; and one using semantic tables such as Figure 1. A collaborative exercise conducted by 49 panelists in four laboratories indicated that the similarity/dissimilarity ratings are not as reproducible as first thought; and that by a comparison of the profiles, the similarities/dissimilarities can be estimated almost as reproducibly as in direct comparisons.[2] Also, to be applicable to odors of all different types, the number of physically presented reference odorants in evaluation of one single odor would have to be in dozens. Hence, using the reference-odorant method for direct comparisons appeared logistically impractical. Finally, this intermediate exercise indicated that using long evaluation lists is taken by the panelists in stride, and does not take more than five to 10 minutes per sample, once a panelist is familiar with the descriptor list. There were observations that panelists initially use in average more terms, but after profiling ten or so odors, the usage frequency, although remaining an individual trait, stabilizes.

With this experience, the odor profiling project which led to the development of the present Atlas was set up.

The recommended number of panelists was ten per organization per odor sample. Each organization received five different odor samples per month. The project began with participation of 15 organizations; at the end, 12 organizations participated, with some change in organizations. In total, 180 odorant samples were profiled, including repeats and descriptor order randomization experiments (see below). There was no requirement that organizations use the

same panelists for all odors; in total, 507 panelists participated, with some evaluating almost all samples, and some evaluating as few as five to 10.

Technical

The packet in which the odorant samples were distributed to the participants is shown in Figure 2. Some oxidation-susceptible odorants (pinene, aldehydes, etc) lose or change odor in such packets, presumably because of infiltration of air. Per the recommendation of Craig H. Warren, International Flavors and Fragrances, samples of such odorants were protected against oxidation by adding 0.3% propyl gallate and 0.3% anhydrous citric acid supplied by his organization. The antioxidants act by complexing metal ion impurities which otherwise serve as oxidation catalysts.

The demographic composition of panelists was as follows:

Females	61%
Males	39%
Smokers	21%
Younger than 20 years	4%
20-29 years old	42%
30-39 years old	25%
40-49 years old	12%
50-59 years old	10%
60 years and older	7%

A study of reproducibility was conducted using profiles of 10 odorants. These were profiled twice under different code numbers with an interval of several weeks.[3] The least-squares linear regression was found suitable for comparisons of profiles; the residual variance $RV = 1 - R^2$ (where R is the correlation coefficient) was a suitable measure of the sensory difference between the profiles. From this study, profiles which differ by less than approximately $RV = 0.11$ may belong to identical odors.

One aspect questioned by the participants was the possible influence of the descriptor order on the profiles. Thomas Masurat and Richard Lamb, Warner-Lambert Company, initiated a study, and provided computer-printed evaluation forms with randomized (for each form) order of descriptors; they also derived profiles from such randomized completed evaluation forms. Eight odorants, previously profiled using a fixed-order form, were profiled using the randomized-order forms (one was profiled twice). Various comparisons indicated that the differences between profiles of different odorants followed essentially the same order, but these differences were on average 0.12 RV units larger. Thus, randomization increased the statistical noise but did not significantly influence the relative comparisons of odorants.

References

1. Harper, R., Bate-Smith, E. C., Land, D. G., and Griffiths, N. M., *Glossary of Odor Stimuli and their Qualities*, Perf. and Essent. Oil Rec. *59*: 22-37 (1968).
2. Dravnieks, A., Bock, F. C., Powers, J. J., Tibbetts, M., and Ford, M., *Comparison of Odors Directly and through Profiling*, Chem. Senses and Flavor *3*: 191-225 (1978).
3. Dravnieks, A., *Odor Quality: Semantically Generated Multidimensional Profiles are Stable*, Science *218*: 799-801 (1982).

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
						1													
Sample Designation				Room T, °C			Panel Code			Panelist		Female	Male	Smoker	Age, Yr.		Weight, Lb.		
(Col. 1–4, 8–10: letters or numbers. Col. 11–12: numbers only)												*(Indicate by entering 1)*							

ODOR QUALITY EVALUATION

* SMELL SAMPLE. YOU CAN RE-SMELL IT AS NEEDED FOR EVALUATION.

** GO THROUGH LIST BELOW. FOR EACH DESCRIPTOR, *ENCIRCLE* THAT SCORE NUMBER WHICH BEST CHARACTERIZES THE *DEGREE OF PRESENCE* OF THAT ODOR NOTE IN THE SAMPLE ODOR. IF ABSENT, *DO NOT ENCIRCLE ZERO.*

*** INITIAL OR SIGN, AND DATE.

Initial or Signature . . . . . Date . . . . . .

MEANING OF THE ODOR QUALITY SCALE:

ABSENT	SLIGHTLY		MODERATELY		EXTREMELY
0	1	2	3	4	5

Index	*DESCRIPTOR*	*SCORE*	*Index*	*DESCRIPTOR*	*SCORE*
001	FRAGRANT	0 1 2 3 4 5	031	OILY, FATTY	0 1 2 3 4 5
002	SWEATY	0 1 2 3 4 5	032	LIKE MOTHBALLS	0 1 2 3 4 5
003	ALMOND-LIKE	0 1 2 3 4 5	033	LIKE GASOLINE, SOLVENT	0 1 2 3 4 5
004	BURNT, SMOKY	0 1 2 3 4 5	034	COOKED VEGETABLES	0 1 2 3 4 5
005	HERBAL, GREEN, CUT GRASS	0 1 2 3 4 5	035	SWEET	0 1 2 3 4 5
006	ETHERISH, ANAESTHETIC	0 1 2 3 4 5	036	FISHY	0 1 2 3 4 5
007	SOUR, ACID, VINEGAR	0 1 2 3 4 5	037	SPICY	0 1 2 3 4 5
008	LIKE BLOOD, RAW MEAT	0 1 2 3 4 5	038	PAINT-LIKE	0 1 2 3 4 5
009	DRY, POWDERY	0 1 2 3 4 5	039	RANCID	0 1 2 3 4 5
010	LIKE AMMONIA	0 1 2 3 4 5	040	MINTY, PEPPERMINT	0 1 2 3 4 5
011	DISINFECTANT, CARBOLIC	0 1 2 3 4 5	041	SULPHIDIC	0 1 2 3 4 5
012	AROMATIC	0 1 2 3 4 5	042	FRUITY (CITRUS)	0 1 2 3 4 5
013	MEATY (COOKED, GOOD)	0 1 2 3 4 5	043	FRUITY (OTHER)	0 1 2 3 4 5
014	SICKENING	0 1 2 3 4 5	044	PUTRID, FOUL, DECAYED	0 1 2 3 4 5
015	MUSTY, EARTHY, MOLDY	0 1 2 3 4 5	045	WOODY, RESINOUS	0 1 2 3 4 5
016	SHARP, PUNGENT, ACID	0 1 2 3 4 5	046	MUSK-LIKE	0 1 2 3 4 5
017	CAMPHOR LIKE	0 1 2 3 4 5	047	SOAPY	0 1 2 3 4 5
018	LIGHT	0 1 2 3 4 5	048	GARLIC, ONION	0 1 2 3 4 5
019	HEAVY	0 1 2 3 4 5	049	ANIMAL	0 1 2 3 4 5
020	COOL, COOLING	0 1 2 3 4 5	050	VANILLA-LIKE	0 1 2 3 4 5
021	WARM	0 1 2 3 4 5	051	FECAL (LIKE MANURE)	0 1 2 3 4 5
022	METALLIC	0 1 2 3 4 5	052	FLORAL	0 1 2 3 4 5
023	PERFUMERY	0 1 2 3 4 5	053	YEASTY	0 1 2 3 4 5
024	MALTY	0 1 2 3 4 5	054	CHEESY	0 1 2 3 4 5
025	CINNAMON	0 1 2 3 4 5	055	HONEY-LIKE	0 1 2 3 4 5
026	POPCORN	0 1 2 3 4 5	056	ANISE (LICORICE)	0 1 2 3 4 5
027	INCENSE	0 1 2 3 4 5	057	TURPENTINE (PINE OIL)	0 1 2 3 4 5
028	Cantaloupe, Honey Dew MELON	0 1 2 3 4 5	058	FRESH GREEN VEGETABLES	0 1 2 3 4 5
029	TAR-LIKE	0 1 2 3 4 5	059	MEDICINAL	0 1 2 3 4 5
030	EUCALYPTUS	0 1 2 3 4 5	060	ORANGE (FRUIT)	0 1 2 3 4 5

KEYPUNCHER: Enter Columns 1–20 as coded in at the left. 8eginning with the Column 21, enter indexes (three columns) and encircled scores (one column) in a continuous fashion, but only for those lines where a score is encircled. If continuation cards needed, repeat Columns 1–20 on each card.

Index	DESCRIPTOR	SCORE	Index	DESCRIPTOR	SCORE
061	BUTTERY (FRESH)	0 1 2 3 4 5	104	HOUSEHOLD GAS	0 1 2 3 4 5
062	LIKE BURNT PAPER	0 1 2 3 4 5	105	PEANUT BUTTER	0 1 2 3 4 5
063	COLOGNE	0 1 2 3 4 5	106	VIOLETS	0 1 2 3 4 5
064	CARAWAY	0 1 2 3 4 5	107	TEA-LEAVES-LIKE	0 1 2 3 4 5
065	BARK-LIKE, BIRCH BARK	0 1 2 3 4 5	108	STRAWBERRY-LIKE	0 1 2 3 4 5
066	ROSE-LIKE	0 1 2 3 4 5	109	STALE	0 1 2 3 4 5
067	CELERY	0 1 2 3 4 5	110	CORK-LIKE	0 1 2 3 4 5
068	BURNT CANDLE	0 1 2 3 4 5	111	LAVENDER	0 1 2 3 4 5
069	MUSHROOM-LIKE	0 1 2 3 4 5	112	CAT-URINE-LIKE	0 1 2 3 4 5
070	WET WOOL, WET DOG	0 1 2 3 4 5	113	PINEAPPLE (FRUIT)	0 1 2 3 4 5
071	CHALKY	0 1 2 3 4 5	114	FRESH TO8ACCO SMOKE	0 1 2 3 4 5
072	LEATHER-LIKE	0 1 2 3 4 5	115	NUTTY (WALNUT, ETC.)	0 1 2 3 4 5
073	PEAR (FRUIT)	0 1 2 3 4 5	116	FRIED CHICKEN	0 1 2 3 4 5
074	STALE TOBACCO SMOKE	0 1 2 3 4 5	117	WET PAPER-LIKE	0 1 2 3 4 5
075	RAW CUCUMBER-LIKE	0 1 2 3 4 5	118	COFFEE-LIKE	0 1 2 3 4 5
076	RAW POTATO-LIKE	0 1 2 3 4 5	119	PEACH (FRUIT)	0 1 2 3 4 5
077	MOUSE-LIKE	0 1 2 3 4 5	120	LAUREL LEAVES	0 1 2 3 4 5
078	BLACK PEPPER-LIKE	0 1 2 3 4 5	121	BURNT MILK	0 1 2 3 4 5
079	BEAN-LIKE	0 1 2 3 4 5	122	SEWER ODOR	0 1 2 3 4 5
080	BANANA-LIKE	0 1 2 3 4 5	123	SOOTY	0 1 2 3 4 5
081	BURNT RUBBER-LIKE	0 1 2 3 4 5	124	CRUSHED WEEDS	0 1 2 3 4 5
082	GERANIUM LEAVES	0 1 2 3 4 5	125	RUBBERY (NEW RUBBER)	0 1 2 3 4 5
083	URINE-LIKE	0 1 2 3 4 5	126	BAKERY (FRESH BREAD)	0 1 2 3 4 5
084	BEERY (BEER-LIKE)	0 1 2 3 4 5	127	OAK WOOD, COGNAC-LIKE	0 1 2 3 4 5
085	CEDARWOOD-LIKE	0 1 2 3 4 5	128	GRAPEFRUIT	0 1 2 3 4 5
086	COCONUT-LIKE	0 1 2 3 4 5	129	GRAPE-JUICE-LIKE	0 1 2 3 4 5
087	ROPE-LIKE	0 1 2 3 4 5	130	EGGY (FRESH EGGS)	0 1 2 3 4 5
088	SEMINAL, SPERM-LIKE	0 1 2 3 4 5	131	BITTER	0 1 2 3 4 5
089	LIKE CLEANING FLUID (Carbona)	0 1 2 3 4 5	132	CADAVEROUS, Like Dead Animal	0 1 2 3 4 5
090	CARDBOARD-LIKE	0 1 2 3 4 5	133	MAPLE (AS IN SYRUP)	0 1 2 3 4 5
091	LEMON (FRUIT)	0 1 2 3 4 5	134	SEASONING (FOR MEAT)	0 1 2 3 4 5
092	DIRTY LINEN-LIKE	0 1 2 3 4 5	135	APPLE (FRUIT)	0 1 2 3 4 5
093	KIPPERY (SMOKED FISH)	0 1 2 3 4 5	136	SOUPY	0 1 2 3 4 5
094	CARAMEL	0 1 2 3 4 5	137	GRAINY (AS GRAIN)	0 1 2 3 4 5
095	SAUERKRAUT-LIKE	0 1 2 3 4 5	138	CLOVE-LIKE	0 1 2 3 4 5
096	CRUSHED GRASS	0 1 2 3 4 5	139	RAISINS	0 1 2 3 4 5
097	CHOCOLATE	0 1 2 3 4 5	140	HAY	0 1 2 3 4 5
098	MOLASSES	0 1 2 3 4 5	141	KEROSENE	0 1 2 3 4 5
099	ALCOHOL-LIKE	0 1 2 3 4 5	142	NAIL POLISH REMOVER	0 1 2 3 4 5
100	DILL-LIKE	0 1 2 3 4 5	143	FERMENTED (Rotten) FRUIT	0 1 2 3 4 5
101	CHEMICAL	0 1 2 3 4 5	144	CHERRY (BERRY)	0 1 2 3 4 5
102	CREOSOTE	0 1 2 3 4 5	145	VARNISH	0 1 2 3 4 5
103	GREEN PEPPER	0 1 2 3 4 5	146	SOUR MILK	0 1 2 3 4 5

(Printed in U.S.A.)

Figure 1—Odor character evaluation form used to develop odor character profiles. (Formatted by the Institute of Olfactory Sciences, 211 Tampa St., Park Forest, IL 60466—November 1977.)

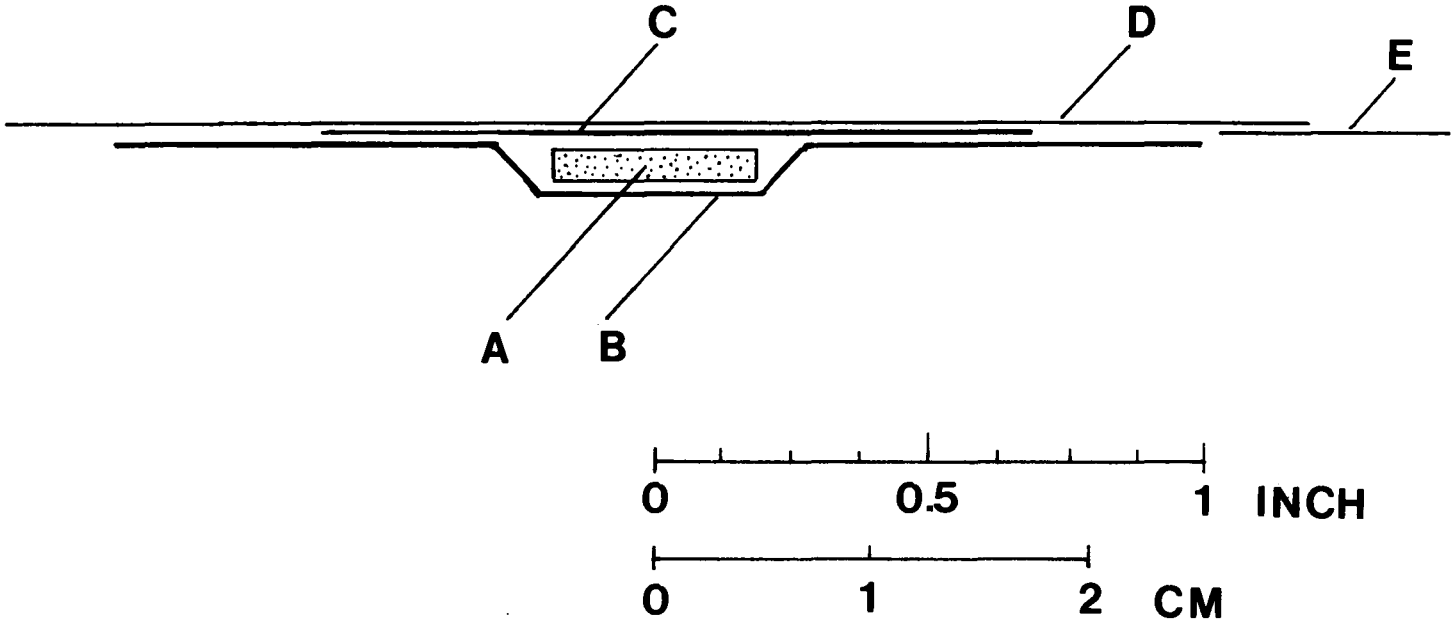


Figure 2—Exploded representation of odorant sample packet used in development of profiles.

A: Balsa wood chip, 1.6 mm (1/16") thick, 9.5 mm (0.375") wide, 9.5 mm (0.375") long, impregnated overnight with odorant solution in dipropylene glycol. Balsa wood was selected because of its stiffness and porosity.

B. Aluminum foil with impressed nesting for holding the odorized balsa wood sample. Prepared from dead-soft foil, 0.08 mm (0.003") thick, 38 mm (1.5") wide, 51 mm (2") long.

C. Aluminum foil cover, dead-soft foil, 0.025 mm (0.001") thick, 25 mm (1") wide, 35 mm (1.375") long.

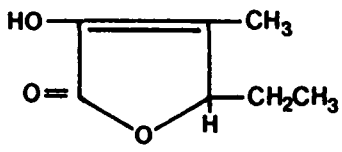
D. Adhesive tape, 3M Type 8304, silicon-base low odor adhesive, 38 mm (1.5") wide, 67 mm (2.675") long. Holds aluminum cover to the aluminum nesting foil. One end overlaps for attaching the sample to the evaluation form. The other end overlaps to hold a paper strip, see E below.

E. Paper strip, cut from calculator roll; 57 mm (2.25") long, 13 mm (0.5") wide. Carries the code designation of the sample, and serves as an easy grip for opening the sample by peeling off the adhesive tape and aluminum cover foil.

TABLE 1—Abhexone

5 (5H)-FURANONE, 5-ETHYL-3-HYDROXY-4-METHYL

CHEM. ABSTR. REG. NO. 698-10-2
C7 H10 03
MOL. WT. 142.1



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 138
NUMBER WHO DETECTED ODOR..... 135
PERCENT WHO DETECTED ODOR..... 98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

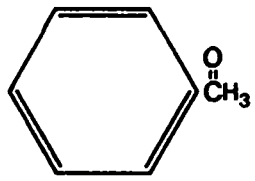
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.48	0.66	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.74	0.33	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.74	0.47	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	3.70	2.10	
20	PERFUMERY	0.74	0.57	
21	FRAGRANT	22.22	14.63	***
22	AROMATIC	21.48	14.71	***
23	HONEY	4.44	2.15	
24	CHERRY (BERRY)	0.74	0.33	
25	ALMOND	18.52	12.51	***
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	12.59	8.53	**
28	SPICY	16.30	11.10	**
29	CLOVE	1.48	0.94	
30	CINNAMON	2.22	1.15	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.74	0.47	
33	SEASONING (FOR MEAT)	9.63	6.86	*
34	BLACK PEPPER	4.44	2.69	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.22	1.28	
37	CARAWAY	2.22	0.99	
38	OAK WOOD, COGNAC	3.70	2.10	
39	WOODY, RESINOUS	15.56	9.84	**
40	CEDARWOOD	1.48	0.81	
41	MOTHBALLS	0.74	0.33	
42	MINTY, PEPPERMINT	0.74	0.33	
43	CAMPHOR	2.22	1.28	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	3.70	2.67	
46	VANILLA	10.37	6.07	*
47	SWEET	28.89	20.69	*****
48	MAPLE SYRUP	28.89	22.28	*****
49	CARAMEL	22.22	16.83	****
50	MALTY	9.63	6.32	*
51	RAISINS	1.48	1.15	
52	MOLASSES	11.85	7.26	*
53	COCONUT	3.70	1.96	
54	ANISE (LICORICE)	2.96	2.20	
55	ALCOHOLIC	2.22	1.81	
56	ETHERISH, ANAESTHETIC	2.22	0.99	
57	CLEANING FLUID	1.48	1.15	
58	GASOLINE, SOLVENT	0.74	0.33	
59	TURPENTINE (PINE OIL)	1.48	0.66	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	10.37	7.33	*
62	FRESH GREEN VEGETABLES	2.96	2.30	

63	CRUSHED WEEDS	0.74	0.74	
64	CRUSHED GRASS	0.74	0.57	
65	HERBAL, GREEN, CUT GRASS	5.19	3.28	
66	RAW CUCUMBER	0.74	0.33	
67	HAY	0.74	0.33	
68	GRAINY (AS GRAIN)	0.74	0.74	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.48	0.94	
73	BEERY	0.00	0.00	
74	SOAPY	0.74	0.47	
75	LEATHER	1.48	0.66	
76	CARDBOARD	1.48	0.81	
77	ROPE	0.74	0.33	
78	WET PAPER	1.48	0.94	
79	WET WOOL, WET DOG	1.48	1.05	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.70	2.46	
82	MUSTY, EARTHY, MOLDY	5.93	3.86	
83	RAW POTATO	0.74	0.47	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.74	0.47	
86	PEANUT BUTTER	1.48	1.05	
87	BEANY	0.74	0.74	
88	EGGY (FRESH EGGS)	0.74	0.47	
89	BARK, BIRCH BARK	2.96	1.62	
90	CORK	2.22	0.99	
91	BURNT, SMOKY	23.70	16.23	****
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	9.63	6.76	*
95	STALE TOBACCO SMOKE	3.70	1.96	
96	BURNT PAPER	8.15	4.66	*
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.74	0.74	
99	TAR	5.19	3.51	
100	CREOSOTE	1.48	0.81	
101	DISINFECTANT, CARBOLIC	1.48	0.94	
102	MEDICINAL	3.70	2.22	
103	CHEMICAL	7.41	4.80	*
104	BITTER	3.70	2.34	
105	SHARP, PUNGENT, ACID	10.37	6.32	*
106	SOUR, VINEGAR	5.93	3.98	
107	SAUERKRAUT	0.74	0.33	
108	AMMONIA	1.48	0.66	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	2.96	1.48	
112	KIPPERY (SMOKED FISH)	4.44	3.25	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	1.48	0.81	
116	BURNT CANDLE	2.96	1.99	
117	KEROSENE	0.74	0.47	
118	OILY, FATTY	3.70	2.10	
119	BUTTERY, FRESH BUTTER	6.67	4.44	*
120	PAINT	0.74	0.33	
121	VARNISH	0.74	0.33	
122	POPCORN	2.22	1.41	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	4.44	3.04	
125	SOUPY	0.74	0.47	
126	COOKED VEGETABLES	2.22	1.62	
127	RANCID	2.22	1.28	
128	SWEATY	3.70	2.10	
129	CHEESY	2.22	0.99	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.22	1.28	
132	GARLIC, ONION	2.96	1.75	
133	METALLIC	0.74	0.66	
134	BLOOD, RAW MEAT	0.74	0.47	
135	ANIMAL	0.00	0.00	
136	SEWER	1.48	0.66	
137	PUTRID, FOUL, DECAYED	2.96	1.87	
138	FECAL (LIKE MANURE)	0.74	0.33	
139	CADAVEROUS (DEAD ANIMAL)	0.74	0.47	
140	SICKENING	10.37	7.44	*
141	DRY, POWDERY	7.41	4.19	*
142	CHALKY	0.00	0.00	
143	LIGHT	19.26	13.83	***
144	HEAVY	23.70	17.58	****
145	COOL, COOLING	2.96	2.48	
146	WARM	11.85	8.17	**

TABLE 2—Acetophenone

ETHANONE, 1-PHENYL

CHEM. ABSTR. REG.NO. 98-86-2
C8 H8 O1
MOL. WT. 120.1



CONCENTRATION, ML/LITER..... 50
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

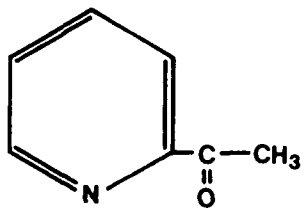
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.34	1.57	
2	LEMON	0.67	0.52	
3	GRAPEFRUIT	0.34	0.26	
4	ORANGE	0.67	0.41	
5	FRUITY, OTHER THAN CITRUS	11.71	8.29	**
6	PINEAPPLE	1.00	0.52	
7	GRAPE JUICE	2.01	1.26	
8	STRAWBERRY	3.01	1.74	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.01	1.02	
11	CANTALOUPE, HONEY DEW MELON	1.00	0.62	
12	PEACH (FRUIT)	1.34	0.84	
13	BANANA	2.68	1.56	
14	FLORAL	23.74	16.79	****
15	ROSE	11.38	7.03	*
16	VIOLETS	9.70	5.73	*
17	LAVENDER	11.04	6.66	*
18	COLOGNE	9.36	5.71	*
19	MUSK	11.03	6.47	*
20	PERFUMERY	29.09	19.62	****
21	FRAGRANT	52.85	39.89	*********
22	AROMATIC	53.51	41.18	**********
23	HONEY	4.35	2.69	
24	CHERRY (BERRY)	14.72	10.27	**
25	ALMOND	44.82	33.66	********
26	NAIL POLISH REMOVER	12.05	7.40	*
27	NUTTY (WALNUT ETC)	4.68	3.06	
28	SPICY	21.41	13.16	***
29	CLOVE	7.02	4.22	*
30	CINNAMON	9.37	6.28	*
31	LAUREL LEAVES	0.67	0.30	
32	TEA LEAVES	0.33	0.26	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.34	0.21	
35	GREEN PEPPER	0.33	0.26	
36	DILL	1.67	0.94	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.35	2.22	
39	WOODY, RESINOUS	27.10	17.91	****
40	CEDARWOOD	17.39	10.11	**
41	MOTHBALLS	24.09	15.38	***
42	MINTY, PEPPERMINT	9.70	6.07	*
43	CAMPHOR	20.08	13.21	***
44	EUCALIPTUS	11.04	6.98	*
45	CHOCOLATE	0.34	0.15	
46	VANILLA	6.36	3.75	
47	SWEET	41.48	28.20	*******
48	MAPLE SYRUP	1.34	0.60	
49	CARAMEL	2.35	1.31	
50	MALTY	1.34	1.03	
51	RAISINS	1.34	0.73	
52	MOLASSES	1.00	0.45	
53	COCONUT	1.67	0.94	
54	ANISE (LICORICE)	6.02	3.81	
55	ALCOHOLIC	7.03	4.05	*
56	ETHERISH, ANAESTHETIC	22.41	14.83	***
57	CLEANING FLUID	13.38	9.36	**
58	GASOLINE, SOLVENT	13.71	8.46	**
59	TURPENTINE (PINE OIL)	17.40	11.32	**
60	GERANIUM LEAVES	3.01	1.65	
61	CELERY	0.67	0.30	
62	FRESH GREEN VEGETABLES	1.34	0.67	

63	CRUSHED WEEDS	2.01	1.10	
64	CRUSHED GRASS	2.34	1.31	
65	HERBAL, GREEN, CUT GRASS	20.07	13.06	***
66	RAW CUCUMBER	0.33	0.15	
67	HAY	3.35	2.26	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.34	0.90	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.00	0.52	
73	BEERY	0.67	0.41	
74	SOAPY	8.36	5.83	*
75	LEATHER	4.01	2.18	
76	CARDBOARD	2.67	1.46	
77	ROPE	0.67	0.41	
78	WET PAPER	0.33	0.15	
79	WET WOOL, WET DOG	2.34	1.37	
80	DIRTY LINEN	1.00	0.82	
81	STALE	4.01	2.74	
82	MUSTY, EARTHY, MOLDY	12.04	7.34	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.34	0.15	
85	MUSHROOM	0.34	0.15	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.02	3.81	
90	CORK	0.67	0.30	
91	BURNT, SMOKY	10.37	6.56	*
92	FRESH TOBACCO SMOKE	0.34	0.15	
93	INCENSE	15.05	10.46	**
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.67	0.41	
96	BURNT PAPER	1.00	0.63	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.68	1.74	
99	TAR	10.04	6.18	*
100	CREOSOTE	14.73	9.52	**
101	DISINFECTANT, CARBOLIC	18.40	12.98	***
102	MEDICINAL	23.74	15.64	***
103	CHEMICAL	29.11	20.56	*****
104	BITTER	4.68	3.11	
105	SHARP, PUNGENT, ACID	17.74	12.56	***
106	SOUR, VINEGAR	4.35	2.53	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.01	1.79	
109	URINE	1.67	0.88	
110	CAT URINE	2.00	1.20	
111	FISHY	1.00	0.73	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.34	0.21	
114	NEW RUBBER	3.68	2.58	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	3.01	1.90	
117	KEROSENE	3.35	2.17	
118	OILY, FATTY	14.39	8.66	**
119	BUTTERY, FRESH BUTTER	1.34	0.98	
120	PAINT	14.72	10.07	**
121	VARNISH	14.05	9.09	**
122	POPCORN	0.33	0.15	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.00	0.63	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.33	0.21	
127	RANCID	3.34	1.93	
128	SWEATY	9.70	6.03	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.67	0.30	
131	SULFIDIC	2.00	1.46	
132	GARLIC, ONION	1.00	0.73	
133	METALLIC	6.69	4.48	*
134	BLOOD, RAW MEAT	0.34	0.30	
135	ANIMAL	2.00	1.30	
136	SEWER	1.00	0.63	
137	PUTRID, FOUL, DECAYED	2.68	1.63	
138	FECAL (LIKE MANURE)	1.00	0.58	
139	CADAVEROUS (DEAD ANIMAL)	1.00	0.68	
140	SICKENING	14.39	10.14	**
141	DRY, POWDERY	6.02	4.08	*
142	CHALKY	0.00	0.00	
143	LIGHT	16.38	12.06	***
144	HEAVY	39.15	29.34	*******
145	COOL, COOLING	15.72	9.89	**
146	WARM	25.76	17.95	****

TABLE 3—Acetyl Pyridine: ortho-Acetyl Pyridine

CHEM. ABSTR. REG. NO. 1122-62-9
C7 H7 O1 N1
MOL. WT. 121.1



CONCENTRATION, ML/LITER.....	10
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.71	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.71	0.45	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	2.14	1.24	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.71	0.45	
15	ROSE	0.71	0.45	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	4.29	2.93	
20	PERFUMERY	0.71	0.45	
21	FRAGRANT	12.86	8.99	**
22	AROMATIC	12.14	8.93	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	22.86	15.86	***
26	NAIL POLISH REMOVER	0.71	0.64	
27	NUTTY (WALNUT ETC)	24.29	17.27	****
28	SPICY	14.29	9.04	**
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	6.43	4.69	*
34	BLACK PEPPER	5.00	3.05	
35	GREEN PEPPER	2.86	1.56	
36	DILL	1.43	0.78	
37	CARAWAY	0.71	0.32	
38	OAK WOOD, COGNAC	0.71	0.45	
39	WOODY, RESINOUS	17.86	10.83	**
40	CEDARWOOD	2.14	1.46	
41	MOTHBALLS	0.71	0.55	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.71	0.45	
45	CHOCOLATE	2.14	1.46	
46	VANILLA	2.14	1.36	
47	SWEET	7.86	4.74	*
48	MAPLE SYRUP	0.71	0.45	
49	CARAMEL	0.00	0.00	
50	MALTY	5.00	2.54	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.71	0.32	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.71	0.45	
56	ETHERISH, ANAESTHETIC	0.71	0.45	
57	CLEANING FLUID	1.43	0.78	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.71	0.32	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	2.14	1.24	

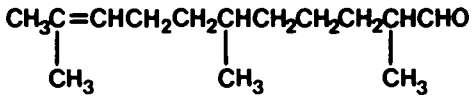
63	CRUSHED WEEDS	2.14	1.66	
64	CRUSHED GRASS	2.14	1.24	
65	HERBAL, GREEN, CUT GRASS	3.57	1.89	
66	RAW CUCUMBER	0.71	0.32	
67	HAY	5.00	2.93	
68	GRAINY (AS GRAIN)	18.57	13.82	***
69	YEASTY	7.14	3.35	
70	BAKERY (FRESH BREAD)	4.29	2.35	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.71	0.45	
73	BEERY	0.71	0.55	
74	SOAPY	1.43	1.01	
75	LEATHER	2.86	1.81	
76	CARDBOARD	3.57	1.89	
77	ROPE	1.43	0.78	
78	WET PAPER	0.71	0.32	
79	WET WOOL, WET DOG	5.00	3.48	
80	DIRTY LINEN	5.00	3.27	
81	STALE	14.29	9.90	**
82	MUSTY, EARTHY, MOLDY	23.57	16.41	****
83	RAW POTATO	3.57	1.75	
84	MOUSE	3.57	2.86	
85	MUSHROOM	5.00	2.93	
86	PEANUT BUTTER	20.71	15.29	***
87	BEANY	4.29	2.82	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.57	1.89	
90	CORK	3.57	1.75	
91	BURNT, SMOKY	32.14	21.85	*****
92	FRESH TOBACCO SMOKE	1.43	0.78	
93	INCENSE	1.43	1.11	
94	COFFEE	1.43	0.90	
95	STALE TOBACCO SMOKE	3.57	1.89	
96	BURNT PAPER	6.43	3.46	
97	BURNT MILK	2.86	1.56	
98	BURNT RUBBER	0.71	0.32	
99	TAR	3.57	2.02	
100	CREOSOTE	1.43	0.78	
101	DISINFECTANT, CARBOLIC	2.86	1.56	
102	MEDICINAL	2.14	1.24	
103	CHEMICAL	5.71	4.52	*
104	BITTER	3.57	2.47	
105	SHARP, PUNGENT, ACID	10.00	6.55	*
106	SOUR, VINEGAR	2.86	1.81	
107	SAUERKRAUT	1.43	0.64	
108	AMMONIA	2.14	1.36	
109	URINE	0.71	0.45	
110	CAT URINE	0.00	0.00	
111	FISHY	1.43	0.78	
112	KIPPERY (SMOKED FISH)	0.71	0.32	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	2.14	1.46	
116	BURNT CANDLE	2.86	1.43	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	33.57	22.23	*****
119	BUTTERY, FRESH BUTTER	12.14	8.74	**
120	PAINT	1.43	0.90	
121	VARNISH	0.00	0.00	
122	POPCORN	44.29	34.85	********
123	FRIED CHICKEN	3.57	1.89	
124	MEATY (COOKED, GOOD)	10.71	7.63	*
125	SOUPY	2.14	1.24	
126	COOKED VEGETABLES	8.57	5.86	*
127	RANCID	15.00	9.71	**
128	SWEATY	16.43	11.26	**
129	CHEESY	0.71	0.32	
130	HOUSEHOLD GAS	0.71	0.32	
131	SULFIDIC	5.71	3.00	
132	GARLIC, ONION	7.14	4.29	*
133	METALLIC	2.14	1.36	
134	BLOOD, RAW MEAT	4.29	2.60	
135	ANIMAL	5.00	3.68	
136	SEWER	2.86	1.69	
137	PUTRID, FOUL, DECAYED	8.57	6.26	*
138	FECAL (LIKE MANURE)	1.43	1.01	
139	CADAVEROUS (DEAD ANIMAL)	2.14	1.46	
140	SICKENING	16.43	13.18	***
141	DRY, POWDERY	15.71	11.31	**
142	CHALKY	3.57	2.58	
143	LIGHT	6.43	4.18	*
144	HEAVY	30.00	23.51	*****
145	COOL, COOLING	0.00	0.00	
146	WARM	19.29	13.79	***

TABLE 4—Adoxal

9-UNDECENAL, 2,6,10-TRIMETHYL
VERONAL

CHEM. ABSTR. REG. NO. 141-13-9
C14 H26 O1
MOL. WT. 210.2

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 117
NUMBER WHO DETECTED ODOR..... 116
PERCENT WHO DETECTED ODOR..... 100



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

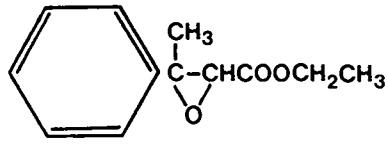
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	6.90	5.00	*
2	LEMON	5.17	3.66	
3	GRAPEFRUIT	1.72	1.09	
4	ORANGE	6.03	3.95	
5	FRUITY, OTHER THAN CITRUS	5.17	3.53	
6	PINEAPPLE	5.17	3.27	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.72	0.77	
9	APPLE (FRUIT)	0.86	0.39	
10	PEAR	1.72	1.44	
11	CANTALOUPE, HONEY DEW MELON	6.03	4.45	*
12	PEACH (FRUIT)	1.72	0.94	
13	BANANA	0.86	0.55	
14	FLORAL	15.52	10.21	**
15	ROSE	4.31	3.11	
16	VIOLETS	2.59	2.11	
17	LAVENDER	2.59	1.77	
18	COLOGNE	7.76	5.42	*
19	MUSK	0.86	0.39	
20	PERFUMERY	13.79	9.51	**
21	FRAGRANT	23.28	16.27	****
22	AROMATIC	20.69	14.13	***
23	HONEY	0.86	0.55	
24	CHERRY (BERRY)	3.45	2.18	
25	ALMOND	0.86	0.39	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	8.62	5.59	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.72	1.44	
32	TEA LEAVES	3.45	2.18	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.86	0.55	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.72	1.09	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.45	1.72	
39	WOODY, RESINOUS	17.24	10.34	**
40	CEDARWOOD	4.31	2.86	
41	MOTHBALLS	1.72	1.09	
42	MINTY, PEPPERMINT	1.72	1.22	
43	CAMPHOR	1.72	1.34	
44	EUCALIPTUS	0.86	0.86	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	19.83	13.96	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.72	1.09	
56	ETHERISH, ANAESTHETIC	9.48	7.23	*
57	CLEANING FLUID	2.59	1.34	
58	GASOLINE, SOLVENT	3.45	2.04	
59	TURPENTINE (PINE OIL)	5.17	2.50	
60	GERANIUM LEAVES	6.03	4.21	*
61	CELERY	4.31	2.59	
62	FRESH GREEN VEGETABLES	7.76	5.42	*

63	CRUSHED WEEDS	7.76	5.42	*
64	CRUSHED GRASS	7.76	5.17	*
65	HERBAL, GREEN, CUT GRASS	18.10	12.74	***
66	RAW CUCUMBER	2.59	2.11	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.86	0.39	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.72	1.09	
73	BEERY	0.00	0.00	
74	SOAPY	12.93	9.44	**
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.86	0.55	
77	ROPE	2.59	1.49	
78	WET PAPER	0.86	0.55	
79	WET WOOL, WET DOG	3.45	2.67	
80	DIRTY LINEN	2.59	1.89	
81	STALE	3.45	2.89	
82	MUSTY, EARTHY, MOLDY	17.24	11.95	**
83	RAW POTATO	0.86	0.55	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.86	0.55	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.86	0.55	
88	EGGY (FRESH EGGS)	2.59	1.64	
89	BARK, BIRCH BARK	1.72	0.94	
90	CORK	3.45	2.18	
91	BURNT, SMOKY	15.52	12.35	***
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	4.31	3.23	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.45	2.78	
96	BURNT PAPER	4.31	3.55	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.59	1.64	
99	TAR	0.00	0.00	
100	CREOSOTE	1.72	0.77	
101	DISINFECTANT, CARBOLIC	2.59	1.77	
102	MEDICINAL	5.17	2.67	
103	CHEMICAL	12.07	8.66	**
104	BITTER	4.31	2.59	
105	SHARP, PUNGENT, ACID	20.69	14.75	***
106	SOUR, VINEGAR	10.34	5.97	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.86	0.39	
109	URINE	1.72	0.94	
110	CAT URINE	1.72	1.22	
111	FISHY	1.72	0.94	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	4.31	3.11	
116	BURNT CANDLE	13.79	12.43	***
117	KEROSENE	2.59	1.34	
118	OILY, FATTY	6.90	5.00	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	3.45	2.18	
121	VARNISH	2.59	1.34	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.86	0.39	
126	COOKED VEGETABLES	0.86	0.55	
127	RANCID	10.34	7.07	*
128	SWEATY	6.03	3.82	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	5.17	3.78	
132	GARLIC, ONION	1.72	1.22	
133	METALLIC	6.03	3.95	
134	BLOOD, RAW MEAT	0.86	0.67	
135	ANIMAL	1.72	1.34	
136	SEWER	1.72	0.94	
137	PUTRID, FOUL, DECAYED	3.45	2.56	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	25.00	20.13	*****
141	DRY, POWDERY	6.03	3.23	
142	CHALKY	2.59	1.16	
143	LIGHT	23.28	15.65	***
144	HEAVY	15.52	12.77	***
145	COOL, COOLING	8.62	5.45	*
146	WARM	12.93	9.90	

TABLE 5—Aldehyde C-16 (So-Called)—Lower Concentration

OXIRANECARBOXYLIC ACID, 2-METHYL-2-PHENYL: ETHYL ESTER
ETHYL METHYL PHENYL GLYCIDATE
GLYCIDATE, ETHYL 3-METHYL-3-PHENYL
"STRAWBERRY ALDEHYDE C-16"

CHEM. ABSTR. REG. NO. 77-83-8
C12 H14 O3
MOL. WT. 206.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

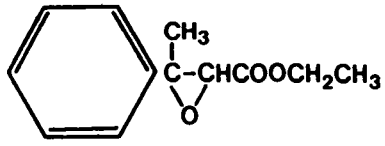
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	18.57	14.01	***
2	LEMON	12.86	8.57	**
3	GRAPEFRUIT	0.71	0.45	
4	ORANGE	11.43	7.88	*
5	FRUITY, OTHER THAN CITRUS	70.71	59.04	**********
6	PINEAPPLE	12.14	7.33	*
7	GRAPE JUICE	35.00	31.38	*******
8	STRAWBERRY	42.86	30.81	*******
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	10.71	5.93	*
11	CANTALOUPE, HONEY DEW MELON	7.14	4.52	*
12	PEACH (FRUIT)	12.14	7.21	*
13	BANANA	5.71	3.50	
14	FLORAL	22.86	15.54	***
15	ROSE	5.00	3.38	
16	VIOLETS	6.43	4.39	*
17	LAVENDER	5.71	3.83	
18	COLOGNE	4.29	2.47	
19	MUSK	2.86	1.69	
20	PERFUMERY	31.43	22.02	*****
21	FRAGRANT	70.71	55.78	**********
22	AROMATIC	51.43	40.84	**********
23	HONEY	6.43	4.39	*
24	CHERRY (BERRY)	39.29	30.25	*******
25	ALMOND	3.57	2.14	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.71	0.64	
28	SPICY	10.00	5.73	*
29	CLOVE	2.14	0.96	
30	CINNAMON	0.71	0.32	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.71	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.14	1.36	
39	WOODY, RESINOUS	3.57	1.89	
40	CEDARWOOD	1.43	0.78	
41	MOTHBALLS	0.71	0.45	
42	MINTY, PEPPERMINT	7.86	6.27	*
43	CAMPHOR	0.71	0.45	
44	EUCALIPTUS	0.71	0.55	
45	CHOCOLATE	0.71	0.32	
46	VANILLA	5.00	3.27	
47	SWEET	78.57	64.96	**********
48	MAPLE SYRUP	0.71	0.32	
49	CARAMEL	2.86	2.02	
50	MALTY	0.71	0.45	
51	RAISINS	2.14	1.46	
52	MOLASSES	0.71	0.55	
53	COCONUT	2.86	1.56	
54	ANISE (LICORICE)	2.14	1.56	
55	ALCOHOLIC	0.71	0.55	
56	ETHERISH, ANAESTHETIC	2.86	2.02	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	1.43	0.90	
59	TURPENTINE (PINE OIL)	0.71	0.45	
60	GERANIUM LEAVES	0.71	0.45	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.71	0.45	
64	CRUSHED GRASS	0.71	0.32	
65	HERBAL, GREEN, CUT GRASS	2.14	1.46	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.71	0.55	
72	FERMENTED (ROTTEN) FRUIT	1.43	0.90	
73	BEERY	0.71	0.71	
74	SOAPY	0.00	0.00	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.43	0.90	
82	MUSTY, EARTHY, MOLDY	1.43	0.78	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.71	0.32	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	12.14	8.93	**
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.71	0.45	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.14	1.46	
102	MEDICINAL	2.14	1.11	
103	CHEMICAL	5.71	3.26	
104	BITTER	1.43	0.78	
105	SHARP, PUNGENT, ACID	5.71	3.50	
106	SOUR, VINEGAR	8.57	4.56	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.71	0.32	
110	CAT URINE	0.00	0.00	
111	FISHY	1.43	1.01	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.57	1.75	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.71	0.32	
121	VARNISH	2.14	1.11	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.71	0.32	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.71	0.55	
128	SWEATY	0.00	0.00	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.00	0.00	
134	BLOOD, RAW MEAT	0.71	0.32	
135	ANIMAL	0.71	0.32	
136	SEWER	0.71	0.32	
137	PUTRID, FOUL, DECAYED	0.71	0.55	
138	FECAL (LIKE MANURE)	1.43	0.64	
139	CADAVEROUS (DEAD ANIMAL)	0.71	0.32	
140	SICKENING	5.00	2.67	
141	DRY, POWDERY	5.71	3.61	
142	CHALKY	0.71	0.32	
143	LIGHT	29.29	20.14	*****
144	HEAVY	12.86	10.05	**
145	COOL, COOLING	15.00	10.56	**
146	WARM	13.57	9.75	**

TABLE 6—Aldehyde C-16 (So-Called)—Higher Concentration

OXIRANECARBOXYLIC ACID, 2-METHYL-2-PHENYL: ETHYL ESTER
ETHYL METHYL PHENYL GLYCIDATE
GLYCIDATE, ETHYL 3-METHYL-3-PHENYL
"STRAWBERRY ALDEHYDE C-16"

CHEM. ABSTR. REG. NO. 77-83-8
C12 H14 03
MOL. WT. 206.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 126
NUMBER WHO DETECTED ODOR..... 126
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

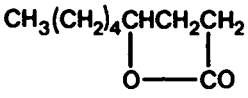
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	15.08	10.15	**
2	LEMON	5.56	3.39	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	9.52	6.39	*
5	FRUITY, OTHER THAN CITRUS	61.11	52.76	**********
6	PINEAPPLE	11.11	6.64	*
7	GRAPE JUICE	13.49	10.35	**
8	STRAWBERRY	39.68	32.24	********
9	APPLE (FRUIT)	0.79	0.79	
10	PEAR	7.14	5.11	*
11	CANTALOUPE, HONEY DEW MELON	10.32	7.24	*
12	PEACH (FRUIT)	10.32	6.65	*
13	BANANA	3.97	2.38	
14	FLORAL	19.05	12.54	***
15	ROSE	7.14	4.26	*
16	VIOLETS	3.17	1.88	
17	LAVENDER	2.38	1.37	
18	COLOGNE	3.17	2.13	
19	MUSK	1.59	0.71	
20	PERFUMERY	20.63	14.02	***
21	FRAGRANT	53.17	41.39	**********
22	AROMATIC	37.30	28.17	*******
23	HONEY	3.97	2.51	
24	CHERRY (BERRY)	26.19	20.79	*****
25	ALMOND	5.56	3.11	
26	NAIL POLISH REMOVER	0.79	0.35	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	4.76	2.61	
29	CLOVE	0.79	0.35	
30	CINNAMON	1.59	0.87	
31	LAUREL LEAVES	0.79	0.35	
32	TEA LEAVES	1.59	0.87	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	3.17	2.24	
40	CEDARWOOD	0.79	0.35	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	1.59	1.23	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	3.97	2.86	
47	SWEET	68.25	55.27	**********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.59	1.12	
51	RAISINS	2.38	1.84	
52	MOLASSES	1.59	1.23	
53	COCONUT	1.59	1.00	
54	ANISE (LICORICE)	2.38	1.63	
55	ALCOHOLIC	2.38	1.37	
56	ETHERISH, ANAESTHETIC	0.79	0.35	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.79	0.35	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.79	0.50	

63	CRUSHED WEEDS	0.79	0.35	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	9.52	6.02	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.79	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.59	1.00	
72	FERMENTED (ROTTEN) FRUIT	2.38	1.23	
73	BEERY	3.17	2.56	
74	SOAPY	1.59	1.00	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.79	0.35	
82	MUSTY, EARTHY, MOLDY	1.59	1.00	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	1.59	0.71	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.35	4.14	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	0.00	0.00	
102	MEDICINAL	0.79	0.35	
103	CHEMICAL	0.79	0.35	
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	4.76	3.58	
106	SOUR, VINEGAR	5.56	2.82	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	0.79	0.61	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.79	0.35	
121	VARNISH	0.79	0.35	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.79	0.79	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.59	1.12	
128	SWEATY	3.17	2.35	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.59	1.12	
134	BLOOD, RAW MEAT	0.79	0.61	
135	ANIMAL	0.79	0.61	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.79	0.35	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.38	1.84	
141	DRY, POWDERY	0.79	0.50	
142	CHALKY	0.79	0.61	
143	LIGHT	28.57	20.20	*****
144	HEAVY	7.14	5.11	*
145	COOL, COOLING	15.87	11.56	**
146	WARM	6.35	4.26	

TABLE 7—Aldehyde C-18 (So-Called)

2(3H)-FURANONE, DIHYDRO-5-PENTYL
GAMMA-NONALACTONE
4-AMYL-GAMMA-BUTYROLACTONE
4-AMYL-BUTANOLIDE
"COCONUT ALDEHYDE C-18"

CHEM. ABSTR. REG. NO. 104-61-0
C9 H16 O2
MOL. WT. 156.1



CONCENTRATION, ML/LITER..... 160
NUMBER OF EVALUATORS..... 127
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.94	2.08	
2	LEMON	1.57	0.70	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	18.90	14.23	***
6	PINEAPPLE	3.94	1.93	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.57	1.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.57	0.70	
11	CANTALOUPE, HONEY DEW MELON	0.79	0.35	
12	PEACH (FRUIT)	4.72	2.59	
13	BANANA	3.15	1.86	
14	FLORAL	7.87	5.22	*
15	ROSE	2.36	1.49	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.79	0.50	
18	COLOGNE	0.79	0.61	
19	MUSK	3.94	2.23	
20	PERFUMERY	10.24	6.72	*
21	FRAGRANT	44.88	34.87	********
22	AROMATIC	37.80	28.87	*******
23	HONEY	1.57	0.86	
24	CHERRY (BERRY)	1.57	0.86	
25	ALMOND	17.32	11.20	**
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	5.51	3.73	
28	SPICY	3.94	2.49	
29	CLOVE	0.79	0.50	
30	CINNAMON	1.57	1.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.79	0.50	
33	SEASONING (FOR MEAT)	0.79	0.50	
34	BLACK PEPPER	0.79	0.50	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.57	0.86	
39	WOODY, RESINOUS	11.02	6.97	*
40	CEDARWOOD	0.79	0.50	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	2.36	1.49	
43	CAMPHOR	1.57	1.11	
44	EUCALIPTUS	0.79	0.50	
45	CHOCOLATE	1.57	1.22	
46	VANILLA	19.69	12.07	***
47	SWEET	59.06	46.35	**********
48	MAPLE SYRUP	3.15	1.73	
49	CARAMEL	3.94	2.73	
50	MALTY	4.72	2.59	
51	RAISINS	0.79	0.35	
52	MOLASSES	0.79	0.35	
53	COCONUT	72.44	67.64	**********
54	ANISE (LICORICE)	1.57	1.11	
55	ALCOHOLIC	1.57	0.70	
56	ETHERISH, ANAESTHETIC	0.79	0.61	
57	CLEANING FLUID	0.79	0.70	
58	GASOLINE, SOLVENT	0.79	0.35	
59	TURPENTINE (PINE OIL)	0.79	0.61	
60	GERANIUM LEAVES	0.79	0.35	
61	CELERY	0.79	0.35	
62	FRESH GREEN VEGETABLES	0.79	0.35	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.79	0.35	
65	HERBAL, GREEN, CUT GRASS	4.72	2.86	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.36	1.61	
68	GRAINY (AS GRAIN)	3.15	2.23	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	2.36	1.06	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.79	0.61	
73	BEERY	0.00	0.00	
74	SOAPY	4.72	3.11	
75	LEATHER	3.15	1.57	
76	CARDBOARD	1.57	1.00	
77	ROPE	0.79	0.79	
78	WET PAPER	1.57	1.00	
79	WET WOOL, WET DOG	0.79	0.50	
80	DIRTY LINEN	0.79	0.61	
81	STALE	2.36	1.93	
82	MUSTY, EARTHY, MOLDY	5.51	3.36	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.79	0.50	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.79	0.61	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.79	0.35	
89	BARK, BIRCH BARK	1.57	1.00	
90	CORK	2.36	1.93	
91	BURNT, SMOKY	2.36	1.61	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.51	2.79	
94	COFFEE	0.79	0.50	
95	STALE TOBACCO SMOKE	0.79	0.50	
96	BURNT PAPER	2.36	1.73	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.79	0.61	
100	CREOSOTE	0.79	0.50	
101	DISINFECTANT, CARBOLIC	1.57	1.11	
102	MEDICINAL	1.57	1.00	
103	CHEMICAL	1.57	0.70	
104	BITTER	1.57	1.00	
105	SHARP, PUNGENT, ACID	7.87	5.46	*
106	SOUR, VINEGAR	0.79	0.50	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	1.57	1.11	
116	BURNT CANDLE	4.72	3.34	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	14.17	9.33	**
119	BUTTERY, FRESH BUTTER	3.94	2.73	
120	PAINT	3.94	2.73	
121	VARNISH	0.00	0.00	
122	POPCORN	0.79	0.35	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.79	0.35	
127	RANCID	2.36	1.36	
128	SWEATY	1.57	0.70	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.57	1.11	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.57	0.86	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.79	0.70	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.57	1.11	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.94	2.95	
141	DRY, POWDERY	7.09	4.23	*
142	CHALKY	3.15	2.11	
143	LIGHT	11.81	8.30	**
144	HEAVY	27.56	20.94	*****
145	COOL, COOLING	7.87	5.57	*
146	WARM	19.69	13.41	

TABLE 8—Allyl Caproate

HEXANOIC ACID: 2-PROPENYL ESTER
HEXANOATE, ALLYL
ALLYL HEXANOATE
HEXANOIC ACID, ALLYL ESTER

CHEM. ABSTR. REG. NO. 123-68-2
C9 H16 O2
MOL. WT. 156.1

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 99

$CH_3(CH_2)_4COOCH_2CH=CH_2$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

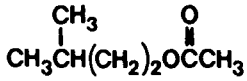
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	29.53	23.30	*****
2	LEMON	20.81	13.98	***
3	GRAPEFRUIT	6.04	3.25	
4	ORANGE	18.12	11.88	**
5	FRUITY, OTHER THAN CITRUS	63.09	52.78	**********
6	PINEAPPLE	48.99	42.76	**********
7	GRAPE JUICE	6.71	4.35	*
8	STRAWBERRY	14.77	9.55	**
9	APPLE (FRUIT)	0.67	0.30	
10	PEAR	18.12	11.46	**
11	CANTALOUPE, HONEY DEW MELON	14.77	10.15	**
12	PEACH (FRUIT)	12.08	6.86	*
13	BANANA	6.71	4.03	*
14	FLORAL	24.83	16.12	****
15	ROSE	2.68	1.47	
16	VIOLETS	2.68	1.59	
17	LAVENDER	4.03	2.75	
18	COLOGNE	4.70	2.86	
19	MUSK	0.67	0.42	
20	PERFUMERY	21.48	15.09	***
21	FRAGRANT	63.76	48.42	**********
22	AROMATIC	44.97	33.51	********
23	HONEY	4.70	2.86	
24	CHERRY (BERRY)	20.81	14.28	***
25	ALMOND	2.68	1.70	
26	NAIL POLISH REMOVER	0.67	0.30	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	11.41	7.11	*
29	CLOVE	2.68	1.47	
30	CINNAMON	3.36	1.90	
31	LAUREL LEAVES	1.34	0.74	
32	TEA LEAVES	0.67	0.42	
33	SEASONING (FOR MEAT)	1.34	0.60	
34	BLACK PEPPER	0.67	0.67	
35	GREEN PEPPER	0.67	0.30	
36	DILL	0.67	0.42	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.67	0.42	
39	WOODY, RESINOUS	4.70	2.51	
40	CEDARWOOD	2.68	1.47	
41	MOTHBALLS	1.34	0.85	
42	MINTY, PEPPERMINT	16.11	9.97	**
43	CAMPHOR	3.36	2.23	
44	EUCALIPTUS	4.70	3.27	
45	CHOCOLATE	0.67	0.52	
46	VANILLA	3.36	1.64	
47	SWEET	59.73	64.38	**********
48	MAPLE SYRUP	0.67	0.30	
49	CARAMEL	0.00	0.00	
50	MALTY	0.67	0.30	
51	RAISINS	0.67	0.30	
52	MOLASSES	1.34	0.85	
53	COCONUT	4.03	2.65	
54	ANISE (LICORICE)	3.36	2.32	
55	ALCOHOLIC	2.01	1.27	
56	ETHERISH, ANAESTHETIC	4.03	2.94	
57	CLEANING FLUID	0.67	0.42	
58	GASOLINE, SOLVENT	0.67	0.42	
59	TURPENTINE (PINE OIL)	1.34	0.85	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.67	0.30	
62	FRESH GREEN VEGETABLES	2.01	0.90	

63	CRUSHED WEEDS	0.67	0.42	
64	CRUSHED GRASS	3.36	1.90	
65	HERBAL, GREEN, CUT GRASS	14.77	9.65	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.67	0.42	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	4.70	2.86	
73	BEERY	0.67	0.42	
74	SOAPY	0.67	0.30	
75	LEATHER	1.34	0.95	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.67	0.42	
80	DIRTY LINEN	0.67	0.30	
81	STALE	1.34	0.60	
82	MUSTY, EARTHY, MOLDY	1.34	0.85	
83	RAW POTATO	0.67	0.52	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.37	3.29	
90	CORK	0.67	0.42	
91	BURNT, SMOKY	1.34	0.74	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	7.38	4.56	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.67	0.30	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.67	0.52	
100	CREOSOTE	0.67	0.30	
101	DISINFECTANT, CARBOLIC	1.34	0.85	
102	MEDICINAL	3.36	2.32	
103	CHEMICAL	6.04	3.71	
104	BITTER	1.34	0.95	
105	SHARP, PUNGENT, ACID	8.05	4.76	*
106	SOUR, VINEGAR	7.38	4.56	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.67	0.42	
109	URINE	0.67	0.30	
110	CAT URINE	0.67	0.30	
111	FISHY	1.34	0.95	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.67	0.30	
118	OILY, FATTY	4.70	2.86	
119	BUTTERY, FRESH BUTTER	0.67	0.30	
120	PAINT	0.00	0.00	
121	VARNISH	1.34	0.60	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.67	0.30	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.67	0.30	
128	SWEATY	2.01	1.38	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.36	1.90	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.67	0.30	
136	SEWER	0.67	0.30	
137	PUTRID, FOUL, DECAYED	2.01	1.47	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.67	0.30	
140	SICKENING	0.67	0.30	
141	DRY, POWDERY	3.36	2.01	
142	CHALKY	0.67	0.30	
143	LIGHT	39.60	28.52	*******
144	HEAVY	8.72	6.67	*
145	COOL, COOLING	24.83	16.83	****
146	WARM	8.05	6.41	*

TABLE 9—Amyl Acetate: iso-Amyl Acetate

1-BUTANOL,3-METHYL:ACETATE
ISOPENTYL ACETATE
ISOPENTYL ALCOHOL:ACETATE

CHEM. ABSTR. REG. NO. 123-82-2
C7 H14 O2
MOL. WT. 130.0



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	7.91	5.84	*
2	LEMON	2.88	1.58	
3	GRAPEFRUIT	0.72	0.32	
4	ORANGE	5.04	3.61	
5	FRUITY, OTHER THAN CITRUS	51.80	42.56	**********
6	PINEAPPLE	10.79	7.27	*
7	GRAPE JUICE	2.16	1.25	
8	STRAWBERRY	4.32	2.61	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	11.51	7.17	*
11	CANTALOUPE, HONEY DEW MELON	9.35	5.92	*
12	PEACH (FRUIT)	5.04	2.41	
13	BANANA	43.17	36.71	*********
14	FLORAL	13.67	8.18	**
15	ROSE	1.44	0.64	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.72	0.72	
18	COLOGNE	3.60	2.28	
19	MUSK	0.00	0.00	
20	PERFUMERY	20.14	14.35	***
21	FRAGRANT	47.48	35.93	********
22	AROMATIC	41.73	32.41	********
23	HONEY	2.88	1.70	
24	CHERRY (BERRY)	9.35	7.24	*
25	ALMOND	2.88	1.44	
26	NAIL POLISH REMOVER	28.06	22.46	*****
27	NUTTY (WALNUT ETC)	0.72	0.46	
28	SPICY	7.19	4.55	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.72	0.46	
32	TEA LEAVES	0.72	0.46	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.46	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.44	0.91	
39	WOODY, RESINOUS	7.19	4.98	*
40	CEDARWOOD	1.44	1.11	
41	MOTHBALLS	0.72	0.32	
42	MINTY, PEPPERMINT	7.91	4.89	*
43	CAMPHOR	0.72	0.32	
44	EUCALIPTUS	1.44	0.91	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	3.60	2.39	
47	SWEET	54.68	43.27	**********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.16	1.47	
51	RAISINS	2.88	1.70	
52	MOLASSES	1.44	1.02	
53	COCONUT	5.04	3.19	
54	ANISE (LICORICE)	2.88	1.44	
55	ALCOHOLIC	7.91	5.34	*
56	ETHERISH, ANAESTHETIC	15.11	9.67	**
57	CLEANING FLUID	7.19	5.48	*
58	GASOLINE, SOLVENT	10.07	6.92	*
59	TURPENTINE (PINE OIL)	9.35	7.06	*
60	GERANIUM LEAVES	0.72	0.46	
61	CELERY	0.72	0.46	
62	FRESH GREEN VEGETABLES	0.72	0.46	

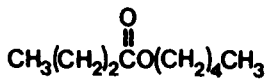
63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.72	0.32	
65	HERBAL, GREEN, CUT GRASS	3.60	2.39	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.72	0.46	
68	GRAINY (AS GRAIN)	0.72	0.56	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.16	1.25	
73	BEERY	1.44	1.29	
74	SOAPY	0.72	0.46	
75	LEATHER	0.72	0.32	
76	CARDBOARD	0.72	0.64	
77	ROPE	0.00	0.00	
78	WET PAPER	1.44	1.11	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	0.00	0.00	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.72	0.46	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	1.44	0.64	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.72	0.32	
93	INCENSE	4.32	2.73	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.72	0.56	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.44	0.79	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	4.32	2.95	
102	MEDICINAL	2.16	1.11	
103	CHEMICAL	15.83	11.79	**
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	5.76	3.97	
106	SOUR, VINEGAR	0.72	0.32	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.16	1.11	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.16	1.37	
118	OILY, FATTY	5.04	2.69	
119	BUTTERY, FRESH BUTTER	0.72	0.46	
120	PAINT	16.55	12.82	***
121	VARNISH	8.63	6.69	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.72	0.56	
127	RANCID	0.00	0.00	
128	SWEATY	0.72	0.46	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.72	0.32	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.44	1.20	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.88	2.13	
141	DRY, POWDERY	2.88	1.58	
142	CHALKY	0.00	0.00	
143	LIGHT	24.46	18.29	****
144	HEAVY	13.67	9.82	**
145	COOL, COOLING	11.51	9.01	**
146	WARM	11.51	8.14	**

TABLE 10—Amyl Butyrate

BUTYRIC ACID:PENTYL ESTER
PENTYL BUTANOATE
BUTYRIC ACID, AMYL ESTER
BUTANOIC ACID, PENTYL ESTER

CHEM. ABSTR. REG. NO. 540-18-1
C9 H18 O2
MOL. WT. 158.1

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 143
PERCENT WHO DETECTED ODOR..... 96



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

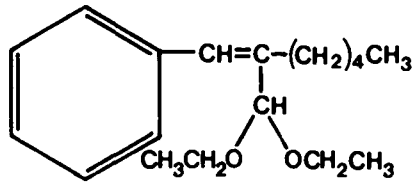
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	6.00	4.00	*
2	LEMON	6.67	3.93	
3	GRAPEFRUIT	2.00	0.80	
4	ORANGE	2.67	2.00	
5	FRUITY, OTHER THAN CITRUS	31.40	22.80	*****
6	PINEAPPLE	13.33	9.60	**
7	GRAPE JUICE	4.67	3.00	
8	STRAWBERRY	9.33	5.60	*
9	APPLE (FRUIT)	1.33	0.67	
10	PEAR	6.67	3.60	
11	CANTALOUPE, HONEY DEW MELON	4.07	2.00	
12	PEACH (FRUIT)	6.00	3.00	
13	BANANA	8.67	6.13	*
14	FLORAL	9.33	5.33	*
15	ROSE	3.33	1.67	
16	VIOLETS	2.00	1.07	
17	LAVENDER	3.33	1.53	
18	COLOGNE	0.67	0.40	
19	MUSK	2.67	1.20	
20	PERFUMERY	14.00	8.87	**
21	FRAGRANT	31.33	22.40	*****
22	AROMATIC	28.67	19.40	****
23	HONEY	2.67	1.60	
24	CHERRY (BERRY)	9.33	6.53	*
25	ALMOND	2.67	1.67	
26	NAIL POLISH REMOVER	2.00	0.93	
27	NUTTY (WALNUT ETC)	0.67	0.40	
28	SPICY	6.67	3.80	
29	CLOVE	1.33	0.53	
30	CINNAMON	0.67	0.27	
31	LAUREL LEAVES	1.33	0.80	
32	TEA LEAVES	0.67	0.40	
33	SEASONING (FOR MEAT)	2.67	1.27	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.67	0.27	
36	DILL	2.00	1.20	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.00	1.27	
39	WOODY, RESINOUS	8.67	5.80	*
40	CEDARWOOD	4.67	2.60	
41	MOTHBALLS	2.00	1.00	
42	MINTY, PEPPERMINT	5.33	2.80	
43	CAMPHOR	2.67	1.47	
44	EUCALIPTUS	2.00	0.80	
45	CHOCOLATE	1.33	0.80	
46	VANILLA	2.00	0.80	
47	SWEET	27.40	19.47	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.67	0.40	
50	MALTY	2.73	1.27	
51	RAISINS	2.00	0.80	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.67	0.47	
54	ANISE (LICORICE)	0.67	0.27	
55	ALCOHOLIC	4.07	2.00	
56	ETHERISH, ANAESTHETIC	6.67	3.40	
57	CLEANING FLUID	2.00	0.93	
58	GASOLINE, SOLVENT	2.67	1.20	
59	TURPENTINE (PINE OIL)	1.33	0.73	
60	GERANIUM LEAVES	2.67	1.20	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	2.00	0.93	

63	CRUSHED WEEDS	2.00	1.20	
64	CRUSHED GRASS	2.00	1.20	
65	HERBAL, GREEN, CUT GRASS	8.00	5.27	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	1.33	0.80	
69	YEASTY	4.73	2.87	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	5.40	3.67	
72	FERMENTED (ROTTEN) FRUIT	6.67	3.80	
73	BEERY	1.33	0.53	
74	SOAPY	1.33	0.67	
75	LEATHER	1.33	0.87	
76	CARDBOARD	3.40	1.80	
77	ROPE	0.00	0.00	
78	WET PAPER	1.33	0.53	
79	WET WOOL, WET DOG	0.67	0.27	
80	DIRTY LINEN	2.07	1.33	
81	STALE	5.33	3.00	
82	MUSTY, EARTHY, MOLDY	10.00	7.00	*
83	RAW POTATO	1.40	0.53	
84	MOUSE	0.67	0.40	
85	MUSHROOM	1.33	0.73	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.67	0.27	
89	BARK, BIRCH BARK	4.67	2.73	
90	CORK	0.67	0.40	
91	BURNT, SMOKY	2.73	1.47	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.00	1.47	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.67	0.27	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.67	0.47	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	4.00	2.13	
102	MEDICINAL	4.00	2.20	
103	CHEMICAL	11.33	6.80	*
104	BITTER	4.00	2.20	
105	SHARP, PUNGENT, ACID	19.33	13.00	***
106	SOUR, VINEGAR	18.00	11.93	**
107	SAUERKRAUT	1.33	0.67	
108	AMMONIA	0.67	0.27	
109	URINE	0.67	0.47	
110	CAT URINE	2.00	1.40	
111	FISHY	0.67	0.40	
112	KIPPERY (SMOKED FISH)	1.33	0.93	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.67	0.40	
116	BURNT CANDLE	1.33	0.67	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	10.07	5.40	*
119	BUTTERY, FRESH BUTTER	5.33	3.47	
120	PAINT	5.33	2.67	
121	VARNISH	2.67	1.33	
122	POPCORN	0.67	0.53	
123	FRIED CHICKEN	0.67	0.47	
124	MEATY (COOKED, GOOD)	0.67	0.47	
125	SOUPY	1.33	0.67	
126	COOKED VEGETABLES	1.33	0.67	
127	RANCID	25.53	16.93	****
128	SWEATY	19.47	12.40	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	4.00	2.33	
132	GARLIC, ONION	1.33	0.87	
133	METALLIC	5.33	2.73	
134	BLOOD, RAW MEAT	4.73	2.13	
135	ANIMAL	3.33	2.53	
136	SEWER	4.00	2.07	
137	PUTRID, FOUL, DECAYED	14.80	10.60	**
138	FECAL (LIKE MANURE)	10.67	6.93	*
139	CADAVEROUS (DEAD ANIMAL)	2.67	1.87	
140	SICKENING	24.13	16.87	****
141	DRY, POWDERY	6.67	3.07	
142	CHALKY	0.73	0.27	
143	LIGHT	19.33	12.47	***
144	HEAVY	14.80	9.60	**
145	COOL, COOLING	10.00	5.60	*
146	WARM	8.67	5.20	*

TABLE 11—Amyl Cinnamic Aldehyde Diethyl Acetal

BENZENE, (2-(DIETHOXYMETHYL)-1-HEPTENYL)
CINNAMALDEHYDE, ALPHA-PENTYL: DIETHYL ACETAL

CHEM. ABSTR. REG. NO. 60763-41-9
C18 H28 02
MOL. WT. 276.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	138
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

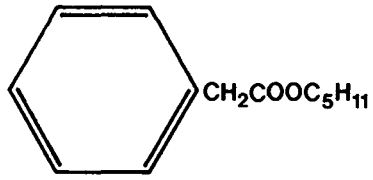
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS----------	26.81	20.20	*****
2	LEMON----------	24.64	17.83	****
3	GRAPEFRUIT----------	5.80	2.75	
4	ORANGE----------	15.94	10.42	**
5	FRUITY, OTHER THAN CITRUS----------	28.26	19.93	****
6	PINEAPPLE----------	8.70	4.63	*
7	GRAPE JUICE----------	5.80	3.43	
8	STRAWBERRY----------	13.77	7.86	*
9	APPLE (FRUIT)----------	1.45	0.00	
10	PEAR----------	5.80	2.43	
11	CANTALOUPE, HONEY DEW MELON--------	7.25	5.12	*
12	PEACH (FRUIT)----------	7.97	4.16	*
13	BANANA----------	1.45	0.00	
14	FLORAL----------	39.86	28.54	*******
15	ROSE----------	13.77	6.92	*
16	VIOLETS----------	8.70	4.49	*
17	LAVENDER----------	9.42	5.09	*
18	COLOGNE----------	13.04	7.14	*
19	MUSK----------	5.07	2.84	
20	PERFUMERY----------	42.75	29.45	*******
21	FRAGRANT----------	57.97	44.15	**********
22	AROMATIC----------	34.78	26.09	******
23	HONEY----------	5.07	2.57	
24	CHERRY (BERRY)----------	11.59	6.22	*
25	ALMOND----------	8.70	4.35	*
26	NAIL POLISH REMOVER----------	3.62	1.77	
27	NUTTY (WALNUT ETC)----------	2.17	0.56	
28	SPICY----------	10.87	6.64	*
29	CLOVE----------	1.45	0.00	
30	CINNAMON----------	2.17	1.12	
31	LAUREL LEAVES----------	3.62	1.45	
32	TEA LEAVES----------	4.35	1.94	
33	SEASONING (FOR MEAT)----------	1.45	0.00	
34	BLACK PEPPER----------	2.17	0.79	
35	GREEN PEPPER----------	1.45	0.00	
36	DILL----------	2.90	1.30	
37	CARAWAY----------	1.45	0.65	
38	OAK WOOD, COGNAC----------	3.62	2.51	
39	WOODY, RESINOUS----------	14.49	9.72	**
40	CEDARWOOD----------	7.97	4.81	*
41	MOTHBALLS----------	2.90	0.92	
42	MINTY, PEPPERMINT----------	6.52	3.77	
43	CAMPHOR----------	3.62	2.17	
44	EUCALIPTUS----------	4.35	1.77	
45	CHOCOLATE----------	1.45	0.00	
46	VANILLA----------	2.17	0.56	
47	SWEET----------	43.48	30.43	*******
48	MAPLE SYRUP----------	2.17	0.79	
49	CARAMEL----------	2.90	1.30	
50	MALTY----------	3.62	2.71	
51	RAISINS----------	4.35	1.77	
52	MOLASSES----------	2.17	0.56	
53	COCONUT----------	2.90	1.59	
54	ANISE (LICORICE)----------	6.52	4.56	*
55	ALCOHOLIC----------	4.35	2.75	
56	ETHERISH, ANAESTHETIC----------	8.70	5.02	*
57	CLEANING FLUID----------	2.90	1.12	
58	GASOLINE, SOLVENT----------	4.35	1.77	
59	TURPENTINE (PINE OIL)----------	2.90	1.45	
60	GERANIUM LEAVES----------	4.35	1.59	
61	CELERY----------	2.90	0.92	
62	FRESH GREEN VEGETABLES----------	5.07	2.27	

63	CRUSHED WEEDS	3.62	1.26	
64	CRUSHED GRASS	4.35	1.77	
65	HERBAL, GREEN, CUT GRASS	34.06	23.62	*****
66	RAW CUCUMBER	2.17	0.79	
67	HAY	2.90	0.92	
68	GRAINY (AS GRAIN)	2.90	1.12	
69	YEASTY	3.62	1.26	
70	BAKERY (FRESH BREAD)	2.17	0.79	
71	SOUR MILK	2.17	1.68	
72	FERMENTED (ROTTEN) FRUIT	3.62	3.69	
73	BEERY	2.90	0.92	
74	SOAPY	11.59	9.07	**
75	LEATHER	2.90	0.92	
76	CARDBOARD	4.35	1.94	
77	ROPE	2.17	0.56	
78	WET PAPER	2.17	0.79	
79	WET WOOL, WET DOG	2.17	1.12	
80	DIRTY LINEN	2.17	0.56	
81	STALE	3.62	2.05	
82	MUSTY, EARTHY, MOLDY	4.35	3.27	
83	RAW POTATO	2.90	0.92	
84	MOUSE	1.45	0.65	
85	MUSHROOM	1.45	0.00	
86	PEANUT BUTTER	1.45	1.02	
87	BEANY	1.45	0.00	
88	EGGY (FRESH EGGS)	1.45	0.00	
89	BARK, BIRCH BARK	5.80	4.00	
90	CORK	3.62	1.92	
91	BURNT, SMOKY	3.62	2.99	
92	FRESH TOBACCO SMOKE	1.45	0.00	
93	INCENSE	10.14	6.42	*
94	COFFEE	1.45	0.79	
95	STALE TOBACCO SMOKE	1.45	1.02	
96	BURNT PAPER	1.45	0.79	
97	BURNT MILK	1.45	0.00	
98	BURNT RUBBER	1.45	0.00	
99	TAR	3.62	1.62	
100	CREOSOTE	1.45	0.65	
101	DISINFECTANT, CARBOLIC	5.07	2.84	
102	MEDICINAL	7.25	4.23	*
103	CHEMICAL	8.70	5.50	*
104	BITTER	4.35	2.10	
105	SHARP, PUNGENT, ACID	14.49	10.04	**
106	SOUR, VINEGAR	16.67	9.95	**
107	SAUERKRAUT	1.45	0.00	
108	AMMONIA	2.90	1.59	
109	URINE	1.45	0.00	
110	CAT URINE	1.45	0.00	
111	FISHY	2.17	0.56	
112	KIPPERY (SMOKED FISH)	1.45	0.00	
113	SEMINAL, SPERM-LIKE	1.45	0.00	
114	NEW RUBBER	2.90	1.30	
115	SOOTY	1.45	0.00	
116	BURNT CANDLE	2.17	0.56	
117	KEROSENE	2.90	1.12	
118	OILY, FATTY	8.70	5.02	*
119	BUTTERY, FRESH BUTTER	2.90	1.12	
120	PAINT	4.35	2.10	
121	VARNISH	4.35	3.07	
122	POPCORN	2.17	0.79	
123	FRIED CHICKEN	1.45	0.00	
124	MEATY (COOKED, GOOD)	1.45	0.00	
125	SOUPY	1.45	0.00	
126	COOKED VEGETABLES	2.90	1.12	
127	RANCID	2.17	0.97	
128	SWEATY	7.97	6.80	*
129	CHEESY	1.45	0.65	
130	HOUSEHOLD GAS	1.45	0.00	
131	SULFIDIC	2.90	1.12	
132	GARLIC, ONION	2.17	0.97	
133	METALLIC	2.17	2.92	
134	BLOOD, RAW MEAT	2.17	1.26	
135	ANIMAL	1.45	0.00	
136	SEWER	2.17	0.97	
137	PUTRID, FOUL, DECAYED	5.07	2.57	
138	FECAL (LIKE MANURE)	1.45	0.65	
139	CADAVEROUS (DEAD ANIMAL)	1.45	0.00	
140	SICKENING	5.07	4.77	*
141	DRY, POWDERY	4.35	2.25	
142	CHALKY	2.17	0.56	
143	LIGHT	36.96	25.77	******
144	HEAVY	15.22	11.01	**
145	COOL, COOLING	16.67	13.19	***
146	WARM	14.49	11.59	**

TABLE 12—Amyl Phenyl Acetate

ACETIC ACID, PHENYL, 3-METHYL BUTYL ESTER
ACETIC ACID, PHENYL, ISOPENTYL ESTER
ISO-PENTYL PHENYL ACETATE
ISO-AMYL-ALPHA-TOLUATE

CHEM. ABSTR. REG. NO. 102-19-2
C13 H18 O2
MOL. WT. 206.3



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	117
NUMBER WHO DETECTED ODOR.....	116
PERCENT WHO DETECTED ODOR.....	90

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	6.03	3.53	
2	LEMON	3.45	2.18	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.72	1.34	
5	FRUITY, OTHER THAN CITRUS	16.38	10.63	**
6	PINEAPPLE	5.17	2.99	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	3.45	2.04	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.45	2.04	
11	CANTALOUPE, HONEY DEW MELON	3.45	1.89	
12	PEACH (FRUIT)	2.59	1.34	
13	BANANA	0.86	0.67	
14	FLORAL	19.83	13.96	***
15	ROSE	7.76	4.17	*
16	VIOLETS	5.17	3.40	
17	LAVENDER	9.48	5.86	*
18	COLOGNE	9.48	7.23	*
19	MUSK	4.31	2.44	
20	PERFUMERY	22.41	15.35	***
21	FRAGRANT	32.76	23.65	*****
22	AROMATIC	19.83	12.94	***
23	HONEY	5.17	4.72	*
24	CHERRY (BERRY)	3.45	1.89	
25	ALMOND	4.31	2.59	
26	NAIL POLISH REMOVER	0.86	0.39	
27	NUTTY (WALNUT ETC)	1.72	1.09	
28	SPICY	5.17	3.40	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.86	0.39	
31	LAUREL LEAVES	1.72	1.44	
32	TEA LEAVES	0.86	0.77	
33	SEASONING (FOR MEAT)	1.72	0.94	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.86	0.67	
38	OAK WOOD, COGNAC	0.86	0.39	
39	WOODY, RESINOUS	15.52	8.81	**
40	CEDARWOOD	4.31	2.73	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	4.31	2.86	
43	CAMPHOR	2.59	1.64	
44	EUCALIPTUS	3.45	2.67	
45	CHOCOLATE	0.86	0.39	
46	VANILLA	0.86	0.39	
47	SWEET	34.48	25.80	******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	1.72	1.09	
50	MALTY	0.86	0.39	
51	RAISINS	2.59	1.49	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.86	0.39	
55	ALCOHOLIC	2.59	1.49	
56	ETHERISH, ANAESTHETIC	4.31	3.11	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	4.31	2.73	
59	TURPENTINE (PINE OIL)	2.59	1.64	
60	GERANIUM LEAVES	4.31	2.99	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	3.45	2.44	

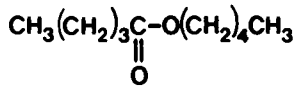
63	CRUSHED WEEDS	2.59	1.64	
64	CRUSHED GRASS	4.31	3.55	
65	HERBAL, GREEN, CUT GRASS	11.21	8.57	**
66	RAW CUCUMBER	0.86	0.39	
67	HAY	1.72	1.09	
68	GRAINY (AS GRAIN)	0.86	0.55	
69	YEASTY	0.86	0.67	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.86	0.39	
72	FERMENTED (ROTTEN) FRUIT	0.86	0.55	
73	BEERY	1.72	0.77	
74	SOAPY	5.17	3.27	
75	LEATHER	2.59	1.49	
76	CARDBOARD	1.72	0.94	
77	ROPE	1.72	1.22	
78	WET PAPER	1.72	1.09	
79	WET WOOL, WET DOG	4.31	2.59	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.45	2.31	
82	MUSTY, EARTHY, MOLDY	9.48	7.00	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.86	0.55	
85	MUSHROOM	2.59	1.64	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.86	0.55	
89	BARK, BIRCH BARK	1.72	0.94	
90	CORK	1.72	0.94	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.59	1.89	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.72	0.77	
96	BURNT PAPER	1.72	1.09	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.72	0.77	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.59	1.89	
102	MEDICINAL	6.90	5.00	*
103	CHEMICAL	9.48	6.77	*
104	BITTER	0.86	0.55	
105	SHARP, PUNGENT, ACID	12.93	8.96	**
106	SOUR, VINEGAR	13.79	8.99	**
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.59	1.89	
109	URINE	7.76	6.84	*
110	CAT URINE	6.90	5.56	*
111	FISHY	0.86	0.67	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.86	0.55	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.86	0.39	
116	BURNT CANDLE	0.86	0.77	
117	KEROSENE	3.45	2.04	
118	OILY, FATTY	11.21	7.09	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	3.45	2.44	
121	VARNISH	3.45	2.18	
122	POPCORN	0.86	0.77	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.86	0.39	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	8.62	5.97	*
128	SWEATY	16.38	11.40	**
129	CHEESY	0.86	0.67	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	3.45	2.56	
132	GARLIC, ONION	3.45	2.18	
133	METALLIC	3.45	2.78	
134	BLOOD, RAW MEAT	0.86	0.55	
135	ANIMAL	3.45	2.18	
136	SEWER	0.86	0.39	
137	PUTRID, FOUL, DECAYED	5.17	2.83	
138	FECAL (LIKE MANURE)	5.17	3.13	
139	CADAVEROUS (DEAD ANIMAL)	0.86	0.55	
140	SICKENING	18.10	14.02	***
141	DRY, POWDERY	6.90	4.22	*
142	CHALKY	0.00	0.00	
143	LIGHT	25.00	17.25	****
144	HEAVY	12.93	9.90	**
145	COOL, COOLING	9.48	6.26	*
146	WARM	14.66	10.90	

TABLE 13—Amyl Valerate

PENTYL PENTANOATE
PENTANOIC ACID: PENTYL ESTER
VALERIC ACID: PENTYL ESTER

CHEM. ABSTR. REG. NO. 2173-56-0
C10 H20 O2
MOL. WT. 172.1

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.13	2.32	
2	LEMON	3.13	2.10	
3	GRAPEFRUIT	0.78	0.35	
4	ORANGE	0.78	0.35	
5	FRUITY, OTHER THAN CITRUS	28.13	21.68	*****
6	PINEAPPLE	9.38	6.74	*
7	GRAPE JUICE	1.56	0.99	
8	STRAWBERRY	7.03	5.24	*
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	5.47	4.13	*
11	CANTALOUPE, HONEY DEW MELON	6.25	4.53	*
12	PEACH (FRUIT)	3.91	3.31	
13	BANANA	6.25	3.83	
14	FLORAL	3.13	1.71	
15	ROSE	0.00	0.00	
16	VIOLETS	0.78	0.35	
17	LAVENDER	1.56	0.86	
18	COLOGNE	0.78	0.70	
19	MUSK	3.91	2.34	
20	PERFUMERY	3.13	1.85	
21	FRAGRANT	17.97	12.43	***
22	AROMATIC	17.97	13.09	***
23	HONEY	0.78	0.49	
24	CHERRY (BERRY)	8.59	6.35	*
25	ALMOND	0.78	0.35	
26	NAIL POLISH REMOVER	1.56	0.86	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	1.56	0.70	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.78	0.49	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.78	0.49	
39	WOODY, RESINOUS	3.91	2.21	
40	CEDARWOOD	0.78	0.49	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.78	0.49	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.78	0.78	
46	VANILLA	0.00	0.00	
47	SWEET	28.13	21.07	*****
48	MAPLE SYRUP	0.78	0.61	
49	CARAMEL	0.00	0.00	
50	MALTY	1.56	0.86	
51	RAISINS	2.34	1.21	
52	MOLASSES	0.00	0.00	
53	COCONUT	1.56	1.10	
54	ANISE (LICORICE)	0.78	0.70	
55	ALCOHOLIC	0.78	0.61	
56	ETHERISH, ANAESTHETIC	1.56	1.10	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.78	0.35	

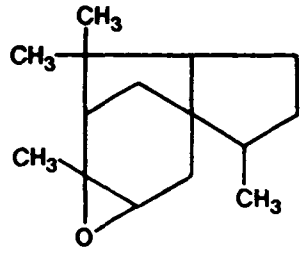
63	CRUSHED WEEDS	0.78	0.35	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	5.47	3.46	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	7.03	5.24	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	7.03	5.24	*
72	FERMENTED (ROTTEN) FRUIT	5.47	3.20	
73	BEERY	1.56	0.86	
74	SOAPY	0.00	0.00	
75	LEATHER	2.34	1.48	
76	CARDBOARD	0.78	0.49	
77	ROPE	0.78	0.35	
78	WET PAPER	0.78	0.61	
79	WET WOOL, WET DOG	6.25	3.83	
80	DIRTY LINEN	10.16	7.35	*
81	STALE	7.03	4.80	*
82	MUSTY, EARTHY, MOLDY	10.94	7.73	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	0.78	0.61	
91	BURNT, SMOKY	2.34	1.60	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.34	1.48	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.78	0.49	
99	TAR	0.00	0.00	
100	CREOSOTE	0.78	0.49	
101	DISINFECTANT, CARBOLIC	0.78	0.49	
102	MEDICINAL	3.13	2.21	
103	CHEMICAL	8.59	6.02	*
104	BITTER	4.69	3.20	
105	SHARP, PUNGENT, ACID	10.16	7.13	*
106	SOUR, VINEGAR	21.09	14.86	***
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	4.69	3.53	
110	CAT URINE	0.00	0.00	
111	FISHY	2.34	1.60	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	11.72	7.89	*
119	BUTTERY, FRESH BUTTER	2.34	1.21	
120	PAINT	1.56	0.86	
121	VARNISH	0.00	0.00	
122	POPCORN	1.56	0.99	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.78	0.35	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	20.31	14.91	***
128	SWEATY	28.13	21.38	*****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.78	0.78	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.78	0.49	
134	BLOOD, RAW MEAT	3.91	2.21	
135	ANIMAL	6.25	4.31	*
136	SEWER	4.69	3.53	
137	PUTRID, FOUL, DECAYED	23.44	17.01	****
138	FECAL (LIKE MANURE)	10.94	8.16	**
139	CADAVEROUS (DEAD ANIMAL)	6.25	4.07	*
140	SICKENING	44.53	35.29	********
141	DRY, POWDERY	3.13	1.98	
142	CHALKY	0.00	0.00	
143	LIGHT	11.72	7.77	*
144	HEAVY	17.97	13.51	***
145	COOL, COOLING	7.03	5.64	*
146	WARM	7.03	4.32	

TABLE 14—Andrane

ALPHA CEDRENE EPOXIDE

CHEM. ABSTR. REG. NO. 29597-36-2
13567-39-0

C15 H24 O1
MOL. WT. 220.2



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 123
NUMBER WHO DETECTED ODOR..... 123
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

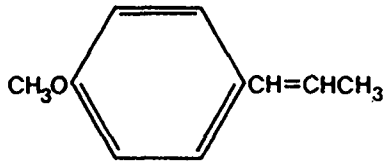
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.63	0.89	
2	LEMON	1.63	0.89	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.81	0.51	
5	FRUITY, OTHER THAN CITRUS	0.81	0.81	
6	PINEAPPLE	0.81	0.36	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.81	0.73	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.81	0.36	
11	CANTALOUPE, HONEY DEW MELON	0.81	0.73	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	9.76	6.78	*
15	ROSE	3.25	2.41	
16	VIOLETS	4.07	2.70	
17	LAVENDER	2.44	1.89	
18	COLOGNE	3.25	2.18	
19	MUSK	5.69	3.73	
20	PERFUMERY	8.94	6.93	*
21	FRAGRANT	33.33	25.07	******
22	AROMATIC	30.89	23.08	*****
23	HONEY	1.63	0.89	
24	CHERRY (BERRY)	2.44	1.41	
25	ALMOND	1.63	0.89	
26	NAIL POLISH REMOVER	2.44	1.78	
27	NUTTY (WALNUT ETC)	0.81	0.36	
28	SPICY	15.45	9.24	**
29	CLOVE	3.25	1.63	
30	CINNAMON	0.81	0.36	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.81	0.36	
33	SEASONING (FOR MEAT)	1.63	1.03	
34	BLACK PEPPER	1.63	1.03	
35	GREEN PEPPER	0.81	0.36	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.07	2.70	
39	WOODY, RESINOUS	53.66	41.35	**********
40	CEDARWOOD	56.10	51.61	**********
41	MOTHBALLS	8.94	6.71	*
42	MINTY, PEPPERMINT	6.50	4.11	*
43	CAMPHOR	15.45	10.15	**
44	EUCALIPTUS	8.94	6.49	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	18.70	11.30	**
48	MAPLE SYRUP	1.63	0.89	
49	CARAMEL	0.00	0.00	
50	MALTY	0.81	0.36	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.81	0.36	
54	ANISE (LICORICE)	0.81	0.36	
55	ALCOHOLIC	5.69	4.19	*
56	ETHERISH, ANAESTHETIC	10.57	6.55	*
57	CLEANING FLUID	6.50	3.71	
58	GASOLINE, SOLVENT	4.07	2.44	
59	TURPENTINE (PINE OIL)	10.57	6.68	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.81	0.51	

63	CRUSHED WEEDS	3.25	2.30	
64	CRUSHED GRASS	1.63	1.15	
65	HERBAL, GREEN, CUT GRASS	11.38	6.52	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.81	0.36	
68	GRAINY (AS GRAIN)	0.81	0.51	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.63	0.89	
75	LEATHER	1.63	1.26	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.81	0.51	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.81	0.36	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.44	1.67	
82	MUSTY, EARTHY, MOLDY	12.20	8.45	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.81	0.36	
89	BARK, BIRCH BARK	7.32	5.34	*
90	CORK	1.63	0.73	
91	BURNT, SMOKY	8.13	5.14	*
92	FRESH TOBACCO SMOKE	0.81	0.36	
93	INCENSE	11.38	6.94	*
94	COFFEE	0.81	0.51	
95	STALE TOBACCO SMOKE	1.63	1.03	
96	BURNT PAPER	0.81	0.36	
97	BURNT MILK	0.81	0.36	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.81	0.36	
100	CREOSOTE	3.25	1.63	
101	DISINFECTANT, CARBOLIC	8.13	5.27	*
102	MEDICINAL	11.38	7.07	*
103	CHEMICAL	12.20	8.09	**
104	BITTER	0.81	0.63	
105	SHARP, PUNGENT, ACID	8.13	5.75	*
106	SOUR, VINEGAR	2.44	1.41	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.44	1.41	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.81	0.51	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	3.25	2.18	
118	OILY, FATTY	3.25	1.92	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	4.88	3.33	
121	VARNISH	6.50	4.60	*
122	POPCORN	0.81	0.51	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.81	0.36	
127	RANCID	0.81	0.51	
128	SWEATY	0.81	0.36	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.63	1.03	
132	GARLIC, ONION	0.81	0.36	
133	METALLIC	0.81	0.36	
134	BLOOD, RAW MEAT	0.81	0.63	
135	ANIMAL	0.81	0.51	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.81	0.36	
138	FECAL (LIKE MANURE)	0.81	0.36	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.88	3.33	
141	DRY, POWDERY	8.13	5.86	*
142	CHALKY	0.81	0.36	
143	LIGHT	9.76	6.90	*
144	HEAVY	16.26	12.60	***
145	COOL, COOLING	13.82	9.24	**
146	WARM	13.82	10.06	

TABLE 15—Anethole

BENZENE, 1-METHOXY-4-(ISOPROPENYL)
ANISOLE, 4-PROPENYL
ISO-ESTRAGOLE
ANISE CAMPHOR

CHEM ABSTR. REG. NO. 104-46-1
C10 H12 O1
MOL. WT. 148.1



CONCENTRATION, ML/LITER.....	50
NUMBER OF EVALUATORS.....	149
NUMBER WHO DETECTED ODOR.....	149
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

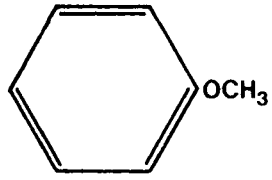
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.01	0.69	
2	LEMON	1.01	0.64	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.34	0.15	
5	FRUITY, OTHER THAN CITRUS	5.03	3.58	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.67	0.47	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.01	0.68	
11	CANTALOUPE, HONEY DEW MELON	0.67	0.42	
12	PEACH (FRUIT)	1.34	0.90	
13	BANANA	2.35	1.17	
14	FLORAL	6.38	3.58	
15	ROSE	2.68	1.41	
16	VIOLETS	2.68	1.68	
17	LAVENDER	4.70	2.31	
18	COLOGNE	1.68	1.18	
19	MUSK	3.69	1.93	
20	PERFUMERY	13.76	9.22	**
21	FRAGRANT	58.72	45.23	**********
22	AROMATIC	59.06	46.86	**********
23	HONEY	2.68	1.75	
24	CHERRY (BERRY)	2.01	1.32	
25	ALMOND	10.74	5.94	*
26	NAIL POLISH REMOVER	1.01	0.69	
27	NUTTY (WALNUT ETC)	1.01	0.45	
28	SPICY	30.54	20.94	*****
29	CLOVE	13.76	7.55	*
30	CINNAMON	8.39	5.51	*
31	LAUREL LEAVES	1.01	0.51	
32	TEA LEAVES	2.68	1.40	
33	SEASONING (FOR MEAT)	1.01	0.64	
34	BLACK PEPPER	0.67	0.37	
35	GREEN PEPPER	0.34	0.15	
36	DILL	2.68	1.52	
37	CARAWAY	8.39	4.39	*
38	OAK WOOD, COGNAC	1.68	0.89	
39	WOODY, RESINOUS	9.40	5.19	*
40	CEDARWOOD	5.37	2.99	
41	MOTHBALLS	2.01	1.16	
42	MINTY, PEPPERMINT	24.50	15.55	***
43	CAMPHOR	8.72	5.30	*
44	EUCALIPTUS	15.10	10.12	**
45	CHOCOLATE	1.01	0.58	
46	VANILLA	7.38	3.59	
47	SWEET	51.68	39.94	*********
48	MAPLE SYRUP	3.69	2.17	
49	CARAMEL	5.03	2.65	
50	MALTY	1.01	0.57	
51	RAISINS	1.68	1.06	
52	MOLASSES	5.70	3.15	
53	COCONUT	1.01	0.52	
54	ANISE (LICORICE)	95.64	91.63	**********
55	ALCOHOLIC	2.01	1.21	
56	ETHERISH, ANAESTHETIC	10.74	6.52	*
57	CLEANING FLUID	1.68	0.95	
58	GASOLINE, SOLVENT	0.67	0.30	
59	TURPENTINE (PINE OIL)	5.03	2.60	
60	GERANIUM LEAVES	1.01	0.57	
61	CELERY	2.01	1.16	
62	FRESH GREEN VEGETABLES	1.34	0.79	

63	CRUSHED WEEDS	0.67	0.30	
64	CRUSHED GRASS	1.01	0.45	
65	HERBAL, GREEN, CUT GRASS	7.72	5.06	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.67	0.30	
68	GRAINY (AS GRAIN)	0.34	0.15	
69	YEASTY	0.34	0.15	
70	BAKERY (FRESH BREAD)	0.34	0.21	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.67	0.37	
73	BEERY	0.34	0.15	
74	SOAPY	0.67	0.36	
75	LEATHER	3.02	1.56	
76	CARDBOARD	0.34	0.15	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.34	0.21	
80	DIRTY LINEN	0.34	0.15	
81	STALE	1.34	0.60	
82	MUSTY, EARTHY, MOLDY	2.35	1.12	
83	RAW POTATO	0.34	0.21	
84	MOUSE	0.67	0.30	
85	MUSHROOM	0.34	0.15	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.34	0.21	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.36	2.69	
90	CORK	1.01	0.45	
91	BURNT, SMOKY	7.38	4.22	*
92	FRESH TOBACCO SMOKE	1.01	0.45	
93	INCENSE	11.41	7.11	*
94	COFFEE	0.34	0.21	
95	STALE TOBACCO SMOKE	0.67	0.30	
96	BURNT PAPER	0.67	0.30	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.01	0.52	
99	TAR	8.05	4.21	*
100	CREOSOTE	4.03	2.01	
101	DISINFECTANT, CARBOLIC	3.02	1.56	
102	MEDICINAL	20.13	12.35	***
103	CHEMICAL	7.72	4.54	*
104	BITTER	2.35	1.31	
105	SHARP, PUNGENT, ACID	9.06	5.62	*
106	SOUR, VINEGAR	0.00	0.00	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.34	0.21	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.34	0.26	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.67	0.47	
115	SOOTY	0.67	0.30	
116	BURNT CANDLE	0.67	0.30	
117	KEROSENE	2.01	1.04	
118	OILY, FATTY	5.70	3.55	
119	BUTTERY, FRESH BUTTER	0.34	0.21	
120	PAINT	2.01	1.27	
121	VARNISH	1.34	0.99	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.34	0.26	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	3.69	2.05	
129	CHEESY	8.39	4.39	*
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.34	0.15	
132	GARLIC, ONION	0.34	0.21	
133	METALLIC	1.68	1.00	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.67	0.30	
136	SEWER	0.34	0.26	
137	PUTRID, FOUL, DECAYED	0.34	0.15	
138	FECAL (LIKE MANURE)	0.34	0.15	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.02	1.96	
141	DRY, POWDERY	3.69	1.86	
142	CHALKY	0.67	0.30	
143	LIGHT	19.46	14.09	***
144	HEAVY	34.56	26.02	******
145	COOL, COOLING	26.51	18.72	****
146	WARM	26.85	19.12	****

TABLE 16—Anisole

BENZENE, METHOXY

CHEM. ABSTR. REG. NO. 100-66-3
C7 H8 O1
MOL. WT. 108.1



CONCENTRATION, G/LITER..... 50
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

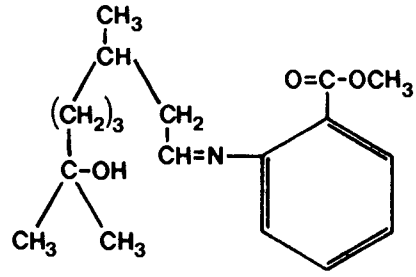
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.79	0.35	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.79	0.70	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.79	0.61	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.79	0.50	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	1.57	1.00	
20	PERFUMERY	4.72	3.34	
21	FRAGRANT	13.39	9.41	**
22	AROMATIC	22.05	17.18	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.79	0.61	
25	ALMOND	3.94	2.23	
26	NAIL POLISH REMOVER	24.41	18.60	****
27	NUTTY (WALNUT ETC)	1.57	0.86	
28	SPICY	0.79	0.35	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.79	0.35	
39	WOODY, RESINOUS	9.45	5.85	*
40	CEDARWOOD	1.57	0.70	
41	MOTHBALLS	8.66	5.96	*
42	MINTY, PEPPERMINT	1.57	0.70	
43	CAMPHOR	4.72	3.23	
44	EUCALIPTUS	0.79	0.35	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.79	0.35	
47	SWEET	10.24	5.53	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.79	0.35	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	12.60	9.24	**
56	ETHERISH, ANAESTHETIC	31.50	21.71	*****
57	CLEANING FLUID	25.98	17.52	****
58	GASOLINE, SOLVENT	40.94	31.31	*******
59	TURPENTINE (PINE OIL)	23.62	16.25	****
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	2.36	1.22	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.79	0.50	
68	GRAINY (AS GRAIN)	0.79	0.35	
69	YEASTY	0.79	0.50	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.57	0.70	
75	LEATHER	2.36	1.49	
76	CARDBOARD	0.79	0.35	
77	ROPE	1.57	0.86	
78	WET PAPER	0.79	0.35	
79	WET WOOL, WET DOG	2.36	1.49	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.57	1.22	
82	MUSTY, EARTHY, MOLDY	3.15	2.11	
83	RAW POTATO	0.00	0.00	
84	MOUSE	1.57	1.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.79	0.50	
90	CORK	1.57	0.70	
91	BURNT, SMOKY	3.94	2.23	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.79	0.35	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	3.94	2.95	
99	TAR	10.24	6.35	*
100	CREOSOTE	10.24	7.40	*
101	DISINFECTANT, CARBOLIC	24.41	17.20	****
102	MEDICINAL	14.96	9.83	**
103	CHEMICAL	42.52	34.23	********
104	BITTER	1.57	1.00	
105	SHARP, PUNGENT, ACID	22.05	15.70	***
106	SOUR, VINEGAR	7.87	3.86	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.15	2.11	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.79	0.35	
114	NEW RUBBER	8.66	7.29	*
115	SOOTY	0.79	0.35	
116	BURNT CANDLE	0.79	0.50	
117	KEROSENE	9.45	5.03	*
118	OILY, FATTY	7.09	4.23	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	30.71	22.75	*****
121	VARNISH	21.26	13.81	***
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.79	0.70	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.57	1.22	
127	RANCID	3.94	2.23	
128	SWEATY	2.36	1.73	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	4.72	3.11	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.79	0.35	
133	METALLIC	6.30	3.45	
134	BLOOD, RAW MEAT	0.79	0.35	
135	ANIMAL	0.79	0.61	
136	SEWER	1.57	1.00	
137	PUTRID, FOUL, DECAYED	4.72	3.11	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.79	0.35	
140	SICKENING	14.17	10.02	**
141	DRY, POWDERY	7.09	3.95	
142	CHALKY	0.79	0.50	
143	LIGHT	14.96	9.08	**
144	HEAVY	22.83	19.06	****
145	COOL, COOLING	10.24	7.18	*
146	WARM	5.51	4.06	

TABLE 17—Auralva

BENZOIC ACID,2-(7-HYDROXY-3-7-(DIMETHYLOCTYLIDENE)AMINO)-, METHYL ESTER
ANTHRANILIC ACID, N-(7-HYDROXY-3-7-DIMETHYLOCTYLIDENE): METHYL ESTER
ANTHRANILATE, METHYL N-(3,7-DIMETHYL-7-HYDROXYOCTYLIDENE)
AURIOL
AURANTIOL

CHEM. ABSTR. REG. NO. 89-43-0
C18 H27 N1 O3
MOL. WT. 305.2



CONCENTRATION, ML/LITER.....	100
NUMBER OF EVALUATORS.....	125
NUMBER WHO DETECTED ODOR.....	125
PERCENT WHO DETECTED ODOR.....	100

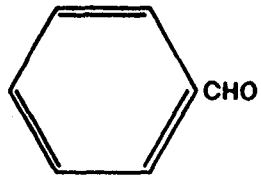
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	12.00	9.30	**
2	LEMON	2.40	1.39	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	6.40	4.05	*
5	FRUITY, OTHER THAN CITRUS	32.00	25.10	******
6	PINEAPPLE	3.20	2.26	
7	GRAPE JUICE	16.80	13.42	***
8	STRAWBERRY	10.40	7.52	*
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.60	0.72	
11	CANTALOUPE, HONEY DEW MELON	1.60	0.88	
12	PEACH (FRUIT)	3.20	1.60	
13	BANANA	0.80	0.36	
14	FLORAL	36.00	27.68	******
15	ROSE	12.80	8.10	**
16	VIOLETS	10.40	6.70	*
17	LAVENDER	9.60	6.67	*
18	COLOGNE	21.60	15.99	***
19	MUSK	4.00	2.26	
20	PERFUMERY	40.80	32.52	********
21	FRAGRANT	60.00	46.48	**********
22	AROMATIC	30.40	22.71	*****
23	HONEY	4.00	2.65	
24	CHERRY (BERRY)	12.80	8.59	**
25	ALMOND	4.80	2.77	
26	NAIL POLISH REMOVER	0.80	0.62	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	8.80	5.81	*
29	CLOVE	3.20	1.43	
30	CINNAMON	1.60	0.88	
31	LAUREL LEAVES	0.80	0.51	
32	TEA LEAVES	2.40	1.75	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.80	0.36	
39	WOODY, RESINOUS	4.80	3.28	
40	CEDARWOOD	2.40	1.64	
41	MOTHBALLS	0.80	0.51	
42	MINTY, PEPPERMINT	8.80	6.05	*
43	CAMPHOR	2.40	1.75	
44	EUCALIPTUS	4.00	2.99	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.40	1.39	
47	SWEET	54.40	42.96	**********
48	MAPLE SYRUP	0.80	0.36	
49	CARAMEL	0.80	0.36	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.80	0.36	
53	COCONUT	0.80	0.36	
54	ANISE (LICORICE)	1.60	0.88	
55	ALCOHOLIC	2.40	1.64	
56	ETHERISH, ANAESTHETIC	1.60	0.72	
57	CLEANING FLUID	5.60	3.14	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	2.40	1.52	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.80	0.36	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.80	0.62	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	13.60	8.97	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.80	0.62	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.80	0.80	
74	SOAPY	16.00	12.19	***
75	LEATHER	0.80	0.62	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.80	0.51	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.80	0.62	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	0.80	0.36	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.20	2.48	
90	CORK	0.80	0.72	
91	BURNT, SMOKY	0.80	0.36	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.00	6.20	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.80	0.51	
100	CREOSOTE	1.60	0.88	
101	DISINFECTANT, CARBOLIC	4.80	3.16	
102	MEDICINAL	8.00	5.88	*
103	CHEMICAL	4.00	2.40	
104	BITTER	1.60	0.88	
105	SHARP, PUNGENT, ACID	1.60	1.34	
106	SOUR, VINEGAR	0.80	0.62	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.80	0.62	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.80	0.72	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	1.60	1.24	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.80	0.51	
127	RANCID	0.80	0.36	
128	SWEATY	4.00	3.10	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.80	0.51	
131	SULFIDIC	0.80	0.36	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.20	2.58	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.60	0.88	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.00	3.10	
141	DRY, POWDERY	8.00	5.54	*
142	CHALKY	0.00	0.00	
143	LIGHT	24.80	16.78	****
144	HEAVY	12.00	8.98	**
145	COOL, COOLING	16.00	11.65	**
146	WARM	12.00	8.65	

TABLE 18—Benzaldehyde

CHEM. ABSTR. REG. NO. 100-52-7
C7 H6 O1
MOL. WT. 106.0



CONCENTRATION, ML/LITER	25
NUMBER OF EVALUATORS	140
NUMBER WHO DETECTED ODOR	139
PERCENT WHO DETECTED ODOR	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

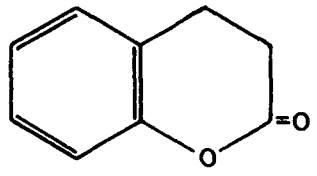
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.04	3.07	
2	LEMON	3.60	1.90	
3	GRAPEFRUIT	0.72	0.32	
4	ORANGE	1.44	0.91	
5	FRUITY, OTHER THAN CITRUS	22.30	18.00	****
6	PINEAPPLE	2.16	1.37	
7	GRAPE JUICE	0.72	0.32	
8	STRAWBERRY	5.76	2.73	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.44	0.64	
11	CANTALOUPE, HONEY DEW MELON	1.44	0.64	
12	PEACH (FRUIT)	4.32	2.61	
13	BANANA	3.60	1.61	
14	FLORAL	14.39	8.39	**
15	ROSE	5.04	2.41	
16	VIOLETS	2.88	1.29	
17	LAVENDER	6.47	3.34	
18	COLOGNE	7.19	4.19	*
19	MUSK	1.44	0.64	
20	PERFUMERY	26.62	18.04	****
21	FRAGRANT	61.15	47.46	**********
22	AROMATIC	59.71	48.70	**********
23	HONEY	7.19	4.32	*
24	CHERRY (BERRY)	34.53	30.32	*******
25	ALMOND	70.50	64.49	**********
26	NAIL POLISH REMOVER	0.72	0.32	
27	NUTTY (WALNUT ETC)	12.23	7.96	*
28	SPICY	23.74	17.14	****
29	CLOVE	2.88	1.44	
30	CINNAMON	10.79	7.98	*
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.72	0.46	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	1.44	0.64	
38	OAK WOOD, COGNAC	3.60	2.16	
39	WOODY, RESINOUS	14.39	8.63	**
40	CEDARWOOD	5.04	2.41	
41	MOTHBALLS	2.16	0.97	
42	MINTY, PEPPERMINT	10.79	7.05	*
43	CAMPHOR	4.32	2.23	
44	EUCALIPTUS	4.32	2.36	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	17.99	11.03	**
47	SWEET	59.71	46.53	**********
48	MAPLE SYRUP	2.88	1.44	
49	CARAMEL	4.32	2.09	
50	MALTY	2.88	1.82	
51	RAISINS	1.44	0.64	
52	MOLASSES	0.72	0.32	
53	COCONUT	5.76	3.40	
54	ANISE (LICORICE)	9.35	5.68	*
55	ALCOHOLIC	5.04	2.82	
56	ETHERISH, ANAESTHETIC	5.04	2.69	
57	CLEANING FLUID	0.72	0.56	
58	GASOLINE, SOLVENT	0.72	0.32	
59	TURPENTINE (PINE OIL)	2.16	1.11	
60	GERANIUM LEAVES	1.44	0.64	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	1.44	0.79	
65	HERBAL, GREEN, CUT GRASS	11.51	7.05	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.72	0.32	
70	BAKERY (FRESH BREAD)	2.88	1.29	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.44	0.91	
73	BEERY	0.00	0.00	
74	SOAPY	3.60	2.03	
75	LEATHER	1.44	0.79	
76	CARDBOARD	1.44	0.64	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.72	0.32	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.72	0.32	
82	MUSTY, EARTHY, MOLDY	3.60	1.76	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	1.44	0.64	
89	BARK, BIRCH BARK	2.88	1.58	
90	CORK	1.44	0.64	
91	BURNT, SMOKY	2.88	1.82	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.47	4.21	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.72	0.46	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.16	0.97	
100	CREOSOTE	1.44	0.64	
101	DISINFECTANT, CARBOLIC	3.60	2.16	
102	MEDICINAL	11.51	6.56	*
103	CHEMICAL	9.35	6.46	*
104	BITTER	2.88	2.23	
105	SHARP, PUNGENT, ACID	7.91	5.12	*
106	SOUR, VINEGAR	4.32	2.49	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.72	0.32	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.72	0.46	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	8.63	5.79	*
119	BUTTERY, FRESH BUTTER	2.88	1.58	
120	PAINT	0.72	0.32	
121	VARNISH	0.72	0.64	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.72	0.32	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.44	0.64	
128	SWEATY	2.16	1.85	
129	CHEESY	1.44	0.64	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.72	0.56	
134	BLOOD, RAW MEAT	0.72	0.46	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.72	0.32	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	5.04	3.40	
141	DRY, POWDERY	5.04	3.07	
142	CHALKY	0.72	0.32	
143	LIGHT	20.86	14.08	***
144	HEAVY	27.34	19.93	****
145	COOL, COOLING	13.67	9.09	**
146	WARM	21.58	14.42	***

TABLE 19—Benzo Dihydro Pyrone

2H-1-BENZOPYRAN-2-ONE, 3,4-DIHYDRO
COUMARIN, 3,4-DIHYDRO
3,4-DIHYDRO COUMARIN
MELILOTIN

CHEM. ABSTR. REG. NO. 119-84-8
C9 H8 O2
MOL. WT. 148.1



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

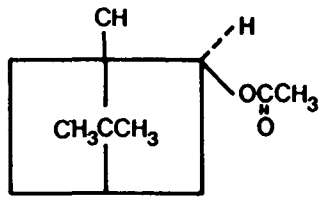
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.78	0.70	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.78	0.49	
5	FRUITY, OTHER THAN CITRUS	7.03	4.32	*
6	PINEAPPLE	1.56	0.86	
7	GRAPE JUICE	2.34	1.48	
8	STRAWBERRY	0.78	0.35	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.56	1.21	
12	PEACH (FRUIT)	1.56	0.70	
13	BANANA	0.78	0.35	
14	FLORAL	12.50	8.50	**
15	ROSE	3.91	2.21	
16	VIOLETS	2.34	1.48	
17	LAVENDER	2.34	1.21	
18	COLOGNE	3.13	1.85	
19	MUSK	6.25	4.42	*
20	PERFUMERY	19.53	15.43	***
21	FRAGRANT	38.28	27.99	******
22	AROMATIC	29.69	22.79	*****
23	HONEY	3.91	2.92	
24	CHERRY (BERRY)	5.47	3.20	
25	ALMOND	25.00	17.68	****
26	NAIL POLISH REMOVER	0.78	0.35	
27	NUTTY (WALNUT ETC)	3.13	2.21	
28	SPICY	19.53	13.53	***
29	CLOVE	4.69	3.09	
30	CINNAMON	16.41	12.09	***
31	LAUREL LEAVES	1.56	0.86	
32	TEA LEAVES	1.56	0.70	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.78	0.35	
37	CARAWAY	0.78	0.49	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	25.00	17.90	****
40	CEDARWOOD	10.16	6.78	*
41	MOTHBALLS	6.25	4.07	*
42	MINTY, PEPPERMINT	7.03	3.92	
43	CAMPHOR	4.69	2.57	
44	EUCALIPTUS	3.13	2.21	
45	CHOCOLATE	1.56	0.70	
46	VANILLA	9.38	6.52	*
47	SWEET	39.84	28.78	*******
48	MAPLE SYRUP	2.34	1.48	
49	CARAMEL	4.69	2.84	
50	MALTY	3.13	1.56	
51	RAISINS	3.13	1.71	
52	MOLASSES	1.56	0.99	
53	COCONUT	23.44	18.26	****
54	ANISE (LICORICE)	2.34	1.71	
55	ALCOHOLIC	2.34	1.82	
56	ETHERISH, ANAESTHETIC	7.81	4.94	*
57	CLEANING FLUID	6.25	4.84	*
58	GASOLINE, SOLVENT	2.34	1.35	
59	TURPENTINE (PINE OIL)	2.34	1.35	
60	GERANIUM LEAVES	0.78	0.35	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.78	0.61	
64	CRUSHED GRASS	1.56	1.31	
65	HERBAL, GREEN, CUT GRASS	14.84	10.22	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	3.13	2.21	
68	GRAINY (AS GRAIN)	0.78	0.78	
69	YEASTY	0.78	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.78	0.78	
73	BEERY	0.00	0.00	
74	SOAPY	6.25	4.42	*
75	LEATHER	0.78	0.61	
76	CARDBOARD	1.56	1.21	
77	ROPE	0.00	0.00	
78	WET PAPER	0.78	0.35	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	7.03	4.19	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.78	0.70	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.56	1.10	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.34	1.48	
90	CORK	2.34	1.35	
91	BURNT, SMOKY	3.91	2.59	
92	FRESH TOBACCO SMOKE	2.34	1.91	
93	INCENSE	9.38	6.17	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.78	0.35	
96	BURNT PAPER	1.56	0.86	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.34	1.48	
100	CREOSOTE	3.13	2.32	
101	DISINFECTANT, CARBOLIC	12.50	8.73	**
102	MEDICINAL	12.50	8.15	**
103	CHEMICAL	9.38	6.85	*
104	BITTER	0.78	0.61	
105	SHARP, PUNGENT, ACID	10.16	6.78	*
106	SOUR, VINEGAR	3.91	2.21	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.56	0.86	
109	URINE	0.78	0.61	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.78	0.61	
115	SOOTY	0.78	0.35	
116	BURNT CANDLE	0.78	0.70	
117	KEROSENE	1.56	0.86	
118	OILY, FATTY	10.94	7.16	*
119	BUTTERY, FRESH BUTTER	0.78	0.35	
120	PAINT	6.25	3.56	
121	VARNISH	2.34	1.71	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.56	1.31	
128	SWEATY	3.91	2.47	
129	CHEESY	0.78	0.49	
130	HOUSEHOLD GAS	0.78	0.49	
131	SULFIDIC	2.34	1.35	
132	GARLIC, ONION	0.78	0.35	
133	METALLIC	0.00	0.00	
134	BLOOD, RAW MEAT	0.78	0.35	
135	ANIMAL	1.56	0.99	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.78	0.35	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.69	2.57	
141	DRY, POWDERY	8.59	6.13	*
142	CHALKY	0.78	0.35	
143	LIGHT	21.09	14.64	***
144	HEAVY	18.75	13.48	***
145	COOL, COOLING	10.16	6.55	*
146	WARM	14.06	10.38	

TABLE 20—Bornyl Acetate: iso-Bornyl Acetate

BICYCLO(22.1)HEPTAN-2-OL, 1,7,7-TRIMETHYL: ACETATE
2-BORNALOL: ACETATE
BORNYL ACETATE
NEOLYL ACETATE
ACEDESA

CHEM. ABSTR. REG. NO. 5655-61-8
C12 H20 O2
MOL. WT. 198.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.86	1.56	
2	LEMON	2.86	1.56	
3	GRAPEFRUIT	0.71	0.32	
4	ORANGE	0.71	0.55	
5	FRUITY, OTHER THAN CITRUS	2.86	2.02	
6	PINEAPPLE	0.71	0.45	
7	GRAPE JUICE	0.71	0.32	
8	STRAWBERRY	0.71	0.32	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.43	0.64	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	17.86	11.41	**
15	ROSE	2.14	1.36	
16	VIOLETS	4.29	2.60	
17	LAVENDER	5.71	3.38	
18	COLOGNE	9.29	5.87	*
19	MUSK	6.43	4.07	*
20	PERFUMERY	32.14	22.27	*****
21	FRAGRANT	57.86	42.74	**********
22	AROMATIC	38.57	29.41	*******
23	HONEY	2.14	1.24	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.14	0.96	
26	NAIL POLISH REMOVER	7.86	4.74	*
27	NUTTY (WALNUT ETC)	1.43	0.64	
28	SPICY	8.57	5.19	*
29	CLOVE	3.57	1.89	
30	CINNAMON	0.71	0.32	
31	LAUREL LEAVES	0.71	0.45	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.71	0.55	
34	BLACK PEPPER	1.43	0.64	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.29	2.47	
39	WOODY, RESINOUS	35.71	26.05	******
40	CEDARWOOD	33.57	26.55	******
41	MOTHBALLS	12.14	7.68	*
42	MINTY, PEPPERMINT	13.57	8.92	**
43	CAMPHOR	35.00	26.55	******
44	EUCALIPTUS	14.29	8.81	**
45	CHOCOLATE	0.71	0.32	
46	VANILLA	0.71	0.55	
47	SWEET	18.57	12.30	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.71	0.32	
54	ANISE (LICORICE)	2.86	1.43	
55	ALCOHOLIC	2.86	1.69	
56	ETHERISH, ANAESTHETIC	11.43	6.52	*
57	CLEANING FLUID	13.57	9.34	**
58	GASOLINE, SOLVENT	6.43	3.03	
59	TURPENTINE (PINE OIL)	34.29	23.63	*****
60	GERANIUM LEAVES	2.86	1.69	
61	CELERY	0.71	0.32	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.43	0.78	
64	CRUSHED GRASS	2.86	1.43	
65	HERBAL, GREEN, CUT GRASS	28.57	19.17	****
66	RAW CUCUMBER	0.71	0.32	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	20.00	14.34	***
75	LEATHER	2.14	1.36	
76	CARDBOARD	1.43	0.64	
77	ROPE	0.71	0.32	
78	WET PAPER	1.43	0.64	
79	WET WOOL, WET DOG	1.43	0.64	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.43	0.64	
82	MUSTY, EARTHY, MOLDY	5.00	2.67	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.14	1.11	
90	CORK	1.43	0.78	
91	BURNT, SMOKY	3.57	2.02	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	17.14	12.90	***
94	COFFEE	0.71	0.32	
95	STALE TOBACCO SMOKE	0.71	0.32	
96	BURNT PAPER	0.71	0.55	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.71	0.32	
99	TAR	2.86	1.56	
100	CREOSOTE	0.71	0.32	
101	DISINFECTANT, CARBOLIC	24.29	19.27	****
102	MEDICINAL	18.57	12.72	***
103	CHEMICAL	15.00	9.60	**
104	BITTER	0.71	0.55	
105	SHARP, PUNGENT, ACID	10.71	6.89	*
106	SOUR, VINEGAR	1.43	0.64	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	6.43	4.60	*
109	URINE	0.71	0.32	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	2.14	1.11	
117	KEROSENE	1.43	0.64	
118	OILY, FATTY	3.57	2.14	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	5.71	3.50	
121	VARNISH	7.86	5.08	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.71	0.45	
128	SWEATY	1.43	1.28	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.43	1.01	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.71	0.45	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.14	1.24	
141	DRY, POWDERY	12.86	9.09	**
142	CHALKY	2.14	1.46	
143	LIGHT	26.43	18.12	****
144	HEAVY	15.71	12.45	***
145	COOL, COOLING	27.14	19.98	****
146	WARM	15.00	11.34	**

TABLE 21—Butanoic Acid

BUTYRIC ACID

CHEM. ABSTR. REG. NO. 107-92-6
C4 H8 O2
MOL. WT. 88.1

$CH_3(CH_2)_2COOH$

CONCENTRATION, ML/LITER.....	10
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.71	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.71	0.32	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.71	0.32	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	5.00	3.48	
20	PERFUMERY	2.86	2.12	
21	FRAGRANT	7.14	5.98	*
22	AROMATIC	12.86	10.76	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.71	0.32	
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.43	0.64	
28	SPICY	2.14	1.11	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.71	0.55	
35	GREEN PEPPER	1.43	0.64	
36	DILL	1.43	0.64	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	3.57	2.02	
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.71	0.32	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	4.29	2.93	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.86	1.69	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.71	0.32	
56	ETHERISH, ANAESTHETIC	1.43	1.01	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.71	0.32	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.71	0.64	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.71	0.32	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	17.86	12.27	***
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	25.71	20.55	*****
72	FERMENTED (ROTTEN) FRUIT	8.57	5.64	*
73	BEERY	1.43	1.01	
74	SOAPY	0.71	0.32	
75	LEATHER	0.71	0.45	
76	CARDBOARD	0.71	0.45	
77	ROPE	2.14	1.24	
78	WET PAPER	1.43	0.78	
79	WET WOOL, WET DOG	10.00	5.86	*
80	DIRTY LINEN	16.43	10.72	**
81	STALE	12.86	8.99	**
82	MUSTY, EARTHY, MOLDY	22.86	16.95	****
83	RAW POTATO	0.00	0.00	
84	MOUSE	3.57	2.37	
85	MUSHROOM	1.43	0.64	
86	PEANUT BUTTER	0.71	0.45	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.43	0.90	
90	CORK	1.43	0.64	
91	BURNT, SMOKY	2.14	1.56	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.14	1.36	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	1.43	0.64	
98	BURNT RUBBER	0.71	0.55	
99	TAR	1.43	0.90	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	0.71	0.32	
102	MEDICINAL	1.43	1.20	
103	CHEMICAL	5.00	3.27	
104	BITTER	6.43	4.79	*
105	SHARP, PUNGENT, ACID	37.86	30.32	*******
106	SOUR, VINEGAR	37.86	29.14	*******
107	SAUERKRAUT	2.86	1.92	
108	AMMONIA	2.14	1.24	
109	URINE	12.86	8.68	**
110	CAT URINE	11.43	7.34	*
111	FISHY	7.14	4.84	*
112	KIPPERY (SMOKED FISH)	2.14	1.36	
113	SEMINAL, SPERM-LIKE	2.14	1.36	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.71	0.32	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	23.57	15.68	***
119	BUTTERY, FRESH BUTTER	7.86	4.97	*
120	PAINT	0.71	0.32	
121	VARNISH	0.00	0.00	
122	POPCORN	0.71	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.14	1.24	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	49.29	38.18	*********
128	SWEATY	47.86	33.89	********
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	2.14	1.24	
131	SULFIDIC	10.00	6.44	*
132	GARLIC, ONION	3.57	2.86	
133	METALLIC	2.86	1.92	
134	BLOOD, RAW MEAT	7.14	4.16	*
135	ANIMAL	17.14	13.19	***
136	SEWER	16.43	12.54	***
137	PUTRID, FOUL, DECAYED	47.86	38.69	*********
138	FECAL (LIKE MANURE)	35.00	27.39	******
139	CADAVEROUS (DEAD ANIMAL)	13.57	10.33	**
140	SICKENING	65.71	55.15	**********
141	DRY, POWDERY	1.43	0.78	
142	CHALKY	0.00	0.00	
143	LIGHT	2.86	2.21	
144	HEAVY	38.57	32.19	********
145	COOL, COOLING	0.00	0.00	
146	WARM	11.43	8.94	**

TABLE 22—Butanol: 1-Butanol

N-BUTANOL
BUTYLALCOHOL

CHEM. ABSTR. REG. NO. 71-38-3
C4 H10 O1
MOL. WT. 74.1

CONCENTRATION, ML/LITER..... 160
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 148
PERCENT WHO DETECTED ODOR..... 99

$CH_3(CH_2)_2CH_2OH$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.03	1.38	
2	LEMON	1.68	1.00	
3	GRAPEFRUIT	0.67	0.42	
4	ORANGE	1.35	0.79	
5	FRUITY, OTHER THAN CITRUS	1.69	1.06	
6	PINEAPPLE	0.67	0.42	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.01	0.58	
9	APPLE (FRUIT)	0.34	0.22	
10	PEAR	1.36	0.74	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.67	0.37	
13	BANANA	1.68	0.95	
14	FLORAL	2.03	1.10	
15	ROSE	0.34	0.15	
16	VIOLETS	1.01	0.64	
17	LAVENDER	1.36	0.80	
18	COLOGNE	1.69	1.01	
19	MUSK	6.45	3.78	
20	PERFUMERY	2.69	1.58	
21	FRAGRANT	17.61	11.83	**
22	AROMATIC	27.43	19.85	****
23	HONEY	0.68	0.42	
24	CHERRY (BERRY)	1.01	0.58	
25	ALMOND	6.75	3.88	
26	NAIL POLISH REMOVER	13.90	8.90	**
27	NUTTY (WALNUT ETC)	4.05	2.56	
28	SPICY	3.73	2.01	
29	CLOVE	1.37	0.68	
30	CINNAMON	0.68	0.38	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.34	0.15	
33	SEASONING (FOR MEAT)	0.68	0.31	
34	BLACK PEPPER	1.02	0.52	
35	GREEN PEPPER	1.36	0.85	
36	DILL	1.01	0.69	
37	CARAWAY	1.01	0.52	
38	OAK WOOD, COGNAC	5.41	3.26	
39	WOODY, RESINOUS	22.05	13.49	***
40	CEDARWOOD	7.78	4.09	*
41	MOTHBALLS	5.42	2.97	
42	MINTY, PEPPERMINT	2.38	1.53	
43	CAMPHOR	12.89	7.54	*
44	EUCALIPTUS	3.39	1.86	
45	CHOCOLATE	0.34	0.21	
46	VANILLA	1.36	0.68	
47	SWEET	12.20	7.48	*
48	MAPLE SYRUP	1.68	1.15	
49	CARAMEL	1.01	0.58	
50	MALTY	2.72	1.55	
51	RAISINS	0.68	0.37	
52	MOLASSES	1.01	0.58	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	3.74	2.21	
55	ALCOHOLIC	23.01	17.27	****
56	ETHERISH, ANAESTHETIC	29.13	19.72	****
57	CLEANING FLUID	11.51	7.54	*
58	GASOLINE, SOLVENT	15.90	10.00	**
59	TURPENTINE (PINE OIL)	13.56	8.63	**
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	1.01	0.74	
62	FRESH GREEN VEGETABLES	1.35	0.90	

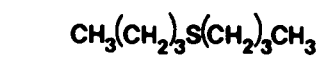
63	CRUSHED WEEDS	2.36	1.26	
64	CRUSHED GRASS	0.67	0.42	
65	HERBAL, GREEN, CUT GRASS	7.12	4.34	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.68	0.37	
68	GRAINY (AS GRAIN)	3.07	1.89	
69	YEASTY	3.71	2.50	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	4.40	2.94	
72	FERMENTED (ROTTEN) FRUIT	4.73	2.93	
73	BEERY	2.36	1.32	
74	SOAPY	1.69	1.11	
75	LEATHER	6.09	3.63	
76	CARDBOARD	3.04	1.57	
77	ROPE	1.71	1.18	
78	WET PAPER	2.37	1.20	
79	WET WOOL, WET DOG	5.09	2.76	
80	DIRTY LINEN	4.73	2.88	
81	STALE	8.14	5.25	*
82	MUSTY, EARTHY, MOLDY	15.60	10.69	**
83	RAW POTATO	0.68	0.30	
84	MOUSE	1.36	0.80	
85	MUSHROOM	0.68	0.37	
86	PEANUT BUTTER	1.01	0.52	
87	BEANY	0.34	0.30	
88	EGGY (FRESH EGGS)	0.68	0.37	
89	BARK, BIRCH BARK	3.40	2.00	
90	CORK	4.75	3.05	
91	BURNT, SMOKY	10.82	6.95	*
92	FRESH TOBACCO SMOKE	1.02	0.59	
93	INCENSE	1.36	0.91	
94	COFFEE	0.67	0.47	
95	STALE TOBACCO SMOKE	3.39	1.98	
96	BURNT PAPER	0.67	0.42	
97	BURNT MILK	0.68	0.48	
98	BURNT RUBBER	0.67	0.47	
99	TAR	4.40	2.78	
100	CREOSOTE	8.82	5.46	*
101	DISINFECTANT, CARBOLIC	17.31	10.78	**
102	MEDICINAL	25.41	16.49	****
103	CHEMICAL	36.96	26.72	******
104	BITTER	5.43	3.27	
105	SHARP, PUNGENT, ACID	31.47	22.18	*****
106	SOUR, VINEGAR	16.29	10.51	**
107	SAUERKRAUT	0.34	0.30	
108	AMMONIA	7.47	4.14	*
109	URINE	5.41	3.96	
110	CAT URINE	1.69	1.06	
111	FISHY	4.07	2.72	
112	KIPPERY (SMOKED FISH)	0.34	0.15	
113	SEMINAL, SPERM-LIKE	1.70	1.02	
114	NEW RUBBER	2.36	1.60	
115	SOOTY	1.36	0.73	
116	BURNT CANDLE	2.03	1.16	
117	KEROSENE	8.81	5.18	*
118	OILY, FATTY	17.95	11.67	**
119	BUTTERY, FRESH BUTTER	2.73	2.07	
120	PAINT	24.70	17.30	****
121	VARNISH	13.56	9.07	**
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.70	1.07	
125	SOUPY	0.34	0.22	
126	COOKED VEGETABLES	1.02	0.46	
127	RANCID	19.66	13.00	***
128	SWEATY	29.83	19.67	****
129	CHEESY	1.01	0.52	
130	HOUSEHOLD GAS	2.72	1.55	
131	SULFIDIC	5.44	3.15	
132	GARLIC, ONION	1.70	1.07	
133	METALLIC	9.14	5.25	*
134	BLOOD, RAW MEAT	4.07	2.72	
135	ANIMAL	4.41	2.99	
136	SEWER	4.75	3.06	
137	PUTRID, FOUL, DECAYED	13.90	10.00	**
138	FECAL (LIKE MANURE)	4.40	2.94	
139	CADAVEROUS (DEAD ANIMAL)	3.38	2.39	
140	SICKENING	32.53	22.74	*****
141	DRY, POWDERY	3.38	1.78	
142	CHALKY	0.68	0.30	
143	LIGHT	15.93	10.75	**
144	HEAVY	34.86	26.22	******
145	COOL, COOLING	11.20	6.96	*
146	WARM	12.85	8.38	**

TABLE 23—Butyl Sulfide

BUTANE, 1,1′-THIOBIS-
DIBUTYL SULFIDE
N-BUTYL SULFIDE

CHEM. ABSTR. REG. NO. 544-40-1
C8 H18 S1
MOL. WT. 146.1

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 134
PERCENT WHO DETECTED ODOR..... 96



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

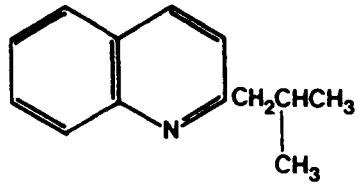
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.49	1.16	
2	LEMON	2.24	1.29	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.49	0.82	
6	PINEAPPLE	0.75	0.33	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.75	0.67	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	1.49	0.67	
14	FLORAL	6.72	4.13	*
15	ROSE	1.49	0.67	
16	VIOLETS	0.75	0.67	
17	LAVENDER	0.75	0.47	
18	COLOGNE	2.24	1.00	
19	MUSK	2.24	1.53	
20	PERFUMERY	5.97	4.33	*
21	FRAGRANT	13.43	8.50	**
22	AROMATIC	18.66	13.03	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.99	1.77	
26	NAIL POLISH REMOVER	2.24	1.16	
27	NUTTY (WALNUT ETC)	1.49	0.67	
28	SPICY	11.94	7.67	*
29	CLOVE	1.49	0.94	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.49	1.25	
32	TEA LEAVES	0.75	0.47	
33	SEASONING (FOR MEAT)	1.49	0.94	
34	BLACK PEPPER	2.24	1.29	
35	GREEN PEPPER	2.99	1.63	
36	DILL	9.70	7.12	*
37	CARAWAY	1.49	0.94	
38	OAK WOOD, COGNAC	0.75	0.33	
39	WOODY, RESINOUS	11.19	7.76	*
40	CEDARWOOD	4.48	2.59	
41	MOTHBALLS	1.49	0.67	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	2.99	1.63	
44	EUCALIPTUS	3.73	2.79	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	11.19	6.46	*
48	MAPLE SYRUP	0.75	0.33	
49	CARAMEL	0.00	0.00	
50	MALTY	0.75	0.33	
51	RAISINS	0.75	0.33	
52	MOLASSES	0.75	0.33	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.49	1.16	
55	ALCOHOLIC	0.75	0.33	
56	ETHERISH, ANAESTHETIC	10.45	7.28	*
57	CLEANING FLUID	4.48	2.71	
58	GASOLINE, SOLVENT	16.42	11.29	**
59	TURPENTINE (PINE OIL)	10.45	6.72	*
60	GERANIUM LEAVES	2.99	1.77	
61	CELERY	2.24	1.42	
62	FRESH GREEN VEGETABLES	7.46	5.06	*

63	CRUSHED WEEDS	5.97	4.43	*
64	CRUSHED GRASS	10.45	7.28	*
65	HERBAL, GREEN, CUT GRASS	24.63	17.25	****
66	RAW CUCUMBER	5.22	4.23	*
67	HAY	3.73	2.24	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.49	0.82	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.75	0.33	
72	FERMENTED (ROTTEN) FRUIT	2.24	1.63	
73	BEERY	0.75	0.33	
74	SOAPY	1.49	0.82	
75	LEATHER	1.49	1.06	
76	CARDBOARD	1.49	0.82	
77	ROPE	0.75	0.33	
78	WET PAPER	0.75	0.33	
79	WET WOOL, WET DOG	2.99	1.77	
80	DIRTY LINEN	0.00	0.00	
81	STALE	5.22	3.42	
82	MUSTY, EARTHY, MOLDY	10.45	6.72	*
83	RAW POTATO	0.75	0.33	
84	MOUSE	1.49	0.67	
85	MUSHROOM	2.99	1.89	
86	PEANUT BUTTER	0.75	0.33	
87	BEANY	2.24	1.73	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.48	3.06	
90	CORK	0.75	0.33	
91	BURNT, SMOKY	12.69	7.66	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.99	1.89	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.75	0.47	
96	BURNT PAPER	2.99	1.49	
97	BURNT MILK	0.75	0.47	
98	BURNT RUBBER	2.99	1.89	
99	TAR	8.96	5.78	*
100	CREOSOTE	6.72	4.36	*
101	DISINFECTANT, CARBOLIC	3.73	1.97	
102	MEDICINAL	8.21	5.53	*
103	CHEMICAL	18.66	14.26	***
104	BITTER	4.48	2.59	
105	SHARP, PUNGENT, ACID	24.63	17.88	****
106	SOUR, VINEGAR	17.16	11.54	**
107	SAUERKRAUT	1.49	0.67	
108	AMMONIA	5.22	2.79	
109	URINE	0.75	0.67	
110	CAT URINE	4.48	2.59	
111	FISHY	3.73	2.48	
112	KIPPERY (SMOKED FISH)	0.75	0.33	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.49	0.82	
115	SOOTY	1.49	0.67	
116	BURNT CANDLE	1.49	0.82	
117	KEROSENE	8.21	6.16	*
118	OILY, FATTY	14.93	9.20	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	12.69	7.54	*
121	VARNISH	5.22	3.06	
122	POPCORN	1.49	0.67	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	3.73	2.59	
127	RANCID	13.43	10.01	**
128	SWEATY	11.19	6.72	*
129	CHEESY	1.49	0.94	
130	HOUSEHOLD GAS	8.21	4.95	*
131	SULFIDIC	15.67	11.03	**
132	GARLIC, ONION	29.10	22.06	*****
133	METALLIC	5.97	3.40	
134	BLOOD, RAW MEAT	4.48	2.83	
135	ANIMAL	0.75	0.58	
136	SEWER	5.22	3.18	
137	PUTRID, FOUL, DECAYED	10.45	7.49	*
138	FECAL (LIKE MANURE)	2.24	1.73	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	31.34	24.37	******
141	DRY, POWDERY	5.22	3.06	
142	CHALKY	0.00	0.00	
143	LIGHT	17.91	12.45	***
144	HEAVY	24.63	19.46	****
145	COOL, COOLING	8.21	6.06	*
146	WARM	7.46	5.48	*

TABLE 24—Butyl Quinoline: iso-Butyl Quinoline

QUINOLINE, 8-(1-METHYL PROPYL)
QUINOLINE, 8-ISOBUTYL

CHEM. ABSTR. REG. NO. 67634-06-4
C13 H15 N1
MOL. WT. 185.3



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	117
NUMBER WHO DETECTED ODOR.....	116
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

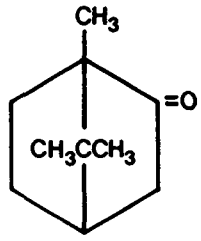
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.85	0.66	
2	LEMON	0.85	0.66	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.56	1.87	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.85	0.38	
10	PEAR	2.56	1.75	
11	CANTALOUPE, HONEY DEW MELON	0.85	0.54	
12	PEACH (FRUIT)	3.42	1.71	
13	BANANA	0.00	0.00	
14	FLORAL	0.85	0.66	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	5.13	3.38	
20	PERFUMERY	3.42	1.87	
21	FRAGRANT	8.55	5.80	*
22	AROMATIC	17.95	13.68	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.56	1.87	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	5.13	3.86	
28	SPICY	5.98	4.63	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	3.42	2.42	
32	TEA LEAVES	2.56	1.75	
33	SEASONING (FOR MEAT)	0.85	0.38	
34	BLACK PEPPER	3.42	2.54	
35	GREEN PEPPER	18.80	15.32	***
36	DILL	0.85	0.38	
37	CARAWAY	1.71	0.94	
38	OAK WOOD, COGNAC	2.56	2.20	
39	WOODY, RESINOUS	39.32	29.33	*******
40	CEDARWOOD	5.98	4.41	*
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.85	0.38	
43	CAMPHOR	3.42	2.76	
44	EUCALIPTUS	1.71	1.21	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	7.69	3.97	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.85	0.66	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.56	1.75	
56	ETHERISH, ANAESTHETIC	5.13	2.81	
57	CLEANING FLUID	1.71	1.08	
58	GASOLINE, SOLVENT	8.55	4.68	*
59	TURPENTINE (PINE OIL)	5.98	3.35	
60	GERANIUM LEAVES	4.27	2.70	
61	CELERY	6.84	4.32	*
62	FRESH GREEN VEGETABLES	21.37	16.99	****

63	CRUSHED WEEDS	16.24	11.54	**
64	CRUSHED GRASS	16.24	10.93	**
65	HERBAL, GREEN, CUT GRASS	30.77	22.82	*****
66	RAW CUCUMBER	4.27	2.56	
67	HAY	8.55	6.04	*
68	GRAINY (AS GRAIN)	1.71	0.94	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.71	0.94	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	5.13	2.81	
76	CARDBOARD	5.13	3.38	
77	ROPE	3.42	2.76	
78	WET PAPER	3.42	1.87	
79	WET WOOL, WET DOG	1.71	0.94	
80	DIRTY LINEN	2.56	1.75	
81	STALE	9.40	7.17	*
82	MUSTY, EARTHY, MOLDY	44.44	32.85	********
83	RAW POTATO	6.84	4.83	*
84	MOUSE	0.85	0.76	
85	MUSHROOM	3.42	2.42	
86	PEANUT BUTTER	1.71	0.94	
87	BEANY	1.71	1.21	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	11.97	8.22	**
90	CORK	0.00	0.00	
91	BURNT, SMOKY	23.08	17.43	****
92	FRESH TOBACCO SMOKE	0.85	0.54	
93	INCENSE	4.27	3.82	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	7.69	5.25	*
96	BURNT PAPER	7.69	5.00	*
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	5.13	3.38	
99	TAR	7.69	5.62	*
100	CREOSOTE	2.56	1.75	
101	DISINFECTANT, CARBOLIC	2.56	1.87	
102	MEDICINAL	3.42	1.87	
103	CHEMICAL	17.09	14.10	***
104	BITTER	5.13	3.11	
105	SHARP, PUNGENT, ACID	13.68	10.59	**
106	SOUR, VINEGAR	6.84	4.05	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	1.71	1.21	
110	CAT URINE	0.00	0.00	
111	FISHY	1.71	0.94	
112	KIPPERY (SMOKED FISH)	1.71	1.53	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.71	1.21	
115	SOOTY	5.98	3.78	
116	BURNT CANDLE	3.42	2.54	
117	KEROSENE	5.13	3.86	
118	OILY, FATTY	11.11	7.29	*
119	BUTTERY, FRESH BUTTER	0.85	0.54	
120	PAINT	10.26	6.62	*
121	VARNISH	5.13	3.50	
122	POPCORN	0.85	0.54	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.71	1.32	
125	SOUPY	0.85	0.38	
126	COOKED VEGETABLES	5.98	4.74	*
127	RANCID	8.55	6.40	*
128	SWEATY	7.69	4.13	*
129	CHEESY	1.71	0.94	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	5.98	4.05	*
132	GARLIC, ONION	10.26	6.21	*
133	METALLIC	6.84	4.32	*
134	BLOOD, RAW MEAT	2.56	1.75	
135	ANIMAL	4.27	2.56	
136	SEWER	4.27	2.96	
137	PUTRID, FOUL, DECAYED	9.40	7.17	*
138	FECAL (LIKE MANURE)	3.42	1.53	
139	CADAVEROUS (DEAD ANIMAL)	1.71	1.32	
140	SICKENING	26.50	19.74	****
141	DRY, POWDERY	12.82	8.37	**
142	CHALKY	2.56	2.20	
143	LIGHT	11.11	6.89	*
144	HEAVY	28.21	21.74	*****
145	COOL, COOLING	7.69	5.62	*
146	WARM	10.26	7.83	

TABLE 25—Camphor: dl-Camphor

DL-BICYCLO(2.2.1)HEPTAN-2-ONE, 1,7,7-TRIMETHYL
DL-2-NORBORNANONE, 1,7,7-TRIMETHYL
DL--2-CAMPHANONE
DL-2-BORNANONE

CHEM. ABSTR. REG. NO. 78-22-2
C10 H16 O1
MOL. WT. 152.1



CONCENTRATION, G/LITER..... 20
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 147
PERCENT WHO DETECTED ODOR..... 99

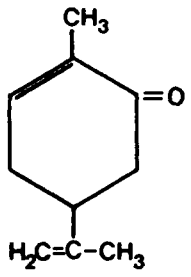
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.36	1.22	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.72	1.83	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.68	0.53	
11	CANTALOUPE, HONEY DEW MELON	0.68	0.43	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.04	1.29	
15	ROSE	1.36	0.86	
16	VIOLETS	0.68	0.43	
17	LAVENDER	0.68	0.30	
18	COLOGNE	1.36	0.96	
19	MUSK	5.44	2.98	
20	PERFUMERY	6.12	3.65	
21	FRAGRANT	29.25	21.39	*****
22	AROMATIC	34.69	26.70	******
23	HONEY	0.68	0.53	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	10.20	7.17	*
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	12.24	8.06	**
29	CLOVE	4.76	2.55	
30	CINNAMON	2.04	1.18	
31	LAUREL LEAVES	1.36	0.61	
32	TEA LEAVES	1.36	0.86	
33	SEASONING (FOR MEAT)	0.68	0.30	
34	BLACK PEPPER	0.68	0.53	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.04	1.18	
37	CARAWAY	1.36	0.75	
38	OAK WOOD, COGNAC	6.80	3.97	
39	WOODY, RESINOUS	36.73	25.98	******
40	CEDARWOOD	23.81	17.45	****
41	MOTHBALLS	17.01	12.07	***
42	MINTY, PEPPERMINT	18.37	11.62	**
43	CAMPHOR	60.54	52.37	**********
44	EUCALIPTUS	31.29	23.25	*****
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.68	0.53	
47	SWEET	14.97	9.25	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.36	1.05	
51	RAISINS	0.68	0.68	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.36	0.96	
55	ALCOHOLIC	6.12	3.76	
56	ETHERISH, ANAESTHETIC	27.89	18.48	****
57	CLEANING FLUID	10.88	7.10	*
58	GASOLINE, SOLVENT	10.20	6.45	*
59	TURPENTINE (PINE OIL)	21.09	13.12	***
60	GERANIUM LEAVES	2.04	1.05	
61	CELERY	0.68	0.30	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	3.40	1.92	
64	CRUSHED GRASS	2.04	1.05	
65	HERBAL, GREEN, CUT GRASS	11.56	8.32	**
66	RAW CUCUMBER	0.68	0.43	
67	HAY	0.68	0.61	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	2.04	1.58	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	2.72	1.83	
75	LEATHER	2.04	1.49	
76	CARDBOARD	2.04	1.49	
77	ROPE	2.04	0.91	
78	WET PAPER	2.04	1.29	
79	WET WOOL, WET DOG	1.36	1.05	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.40	1.92	
82	MUSTY, EARTHY, MOLDY	17.01	11.58	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.68	0.53	
85	MUSHROOM	0.68	0.43	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	8.84	5.48	*
90	CORK	2.72	1.22	
91	BURNT, SMOKY	6.12	3.76	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.12	4.08	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.68	0.68	
96	BURNT PAPER	2.04	1.58	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.68	0.68	
99	TAR	1.36	0.75	
100	CREOSOTE	5.44	2.72	
101	DISINFECTANT, CARBOLIC	23.81	15.48	***
102	MEDICINAL	49.66	39.08	*********
103	CHEMICAL	25.85	17.39	****
104	BITTER	5.44	2.72	
105	SHARP, PUNGENT, ACID	19.05	12.47	***
106	SOUR, VINEGAR	6.12	3.53	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	6.12	4.08	*
109	URINE	1.36	0.61	
110	CAT URINE	0.00	0.00	
111	FISHY	1.36	0.86	
112	KIPPERY (SMOKED FISH)	0.68	0.68	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.68	0.30	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	3.40	2.26	
117	KEROSENE	4.08	1.97	
118	OILY, FATTY	9.52	5.69	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	12.93	7.62	*
121	VARNISH	8.84	4.91	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.72	1.83	
128	SWEATY	6.80	4.30	*
129	CHEESY	1.36	0.75	
130	HOUSEHOLD GAS	1.36	0.75	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.68	0.53	
133	METALLIC	7.48	4.28	*
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.68	0.43	
136	SEWER	0.68	0.53	
137	PUTRID, FOUL, DECAYED	2.04	1.49	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.68	0.30	
140	SICKENING	7.48	4.51	*
141	DRY, POWDERY	5.44	3.44	
142	CHALKY	0.68	0.43	
143	LIGHT	21.09	14.27	***
144	HEAVY	23.13	18.09	****
145	COOL, COOLING	32.65	24.31	******
146	WARM	16.33	12.38	***

TABLE 26—Carvone: l-Carvone

L-2-CYCLOHEXEN-1-ONE, 2-METHYL-5-(1-METHYL ETHENYL)
L-P-MENTHA-6,8-DIEN-2-ONE



CHEM. ABSTR. REG. NO. 99-49-0
C10 H14 O1
MOL. WT. 150.1

CONCENTRATION, ML/LITER.....	45
NUMBER OF EVALUATORS.....	150
NUMBER WHO DETECTED ODOR.....	149
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.37	2.52	
2	LEMON	2.01	1.16	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.34	0.15	
5	FRUITY, OTHER THAN CITRUS	10.07	6.53	*
6	PINEAPPLE	0.68	0.48	
7	GRAPE JUICE	1.01	0.51	
8	STRAWBERRY	1.68	1.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.34	0.90	
11	CANTALOUPE, HONEY DEW MELON	1.34	0.85	
12	PEACH (FRUIT)	1.68	1.00	
13	BANANA	1.34	0.67	
14	FLORAL	10.42	5.86	*
15	ROSE	3.36	1.84	
16	VIOLETS	2.02	1.03	
17	LAVENDER	3.36	1.96	
18	COLOGNE	3.02	1.74	
19	MUSK	2.36	1.44	
20	PERFUMERY	14.10	8.86	**
21	FRAGRANT	66.77	51.33	**********
22	AROMATIC	55.03	43.48	**********
23	HONEY	2.02	1.27	
24	CHERRY (BERRY)	1.00	0.72	
25	ALMOND	4.03	2.23	
26	NAIL POLISH REMOVER	2.02	1.27	
27	NUTTY (WALNUT ETC)	1.01	0.63	
28	SPICY	22.48	15.04	***
29	CLOVE	10.41	6.68	*
30	CINNAMON	5.38	3.45	
31	LAUREL LEAVES	2.02	1.16	
32	TEA LEAVES	6.73	4.44	*
33	SEASONING (FOR MEAT)	0.68	0.37	
34	BLACK PEPPER	1.00	0.57	
35	GREEN PEPPER	0.68	0.30	
36	DILL	4.71	2.81	
37	CARAWAY	10.08	6.92	*
38	OAK WOOD, COGNAC	1.35	0.73	
39	WOODY, RESINOUS	8.41	4.81	*
40	CEDARWOOD	6.71	3.90	
41	MOTHBALLS	2.34	1.29	
42	MINTY, PEPPERMINT	91.59	82.48	**********
43	CAMPHOR	12.74	7.27	*
44	EUCALIPTUS	14.09	8.24	**
45	CHOCOLATE	0.34	0.15	
46	VANILLA	3.36	1.89	
47	SWEET	44.30	32.50	********
48	MAPLE SYRUP	0.68	0.48	
49	CARAMEL	0.67	0.36	
50	MALTY	0.34	0.21	
51	RAISINS	1.01	0.58	
52	MOLASSES	0.67	0.36	
53	COCONUT	0.67	0.41	
54	ANISE (LICORICE)	12.42	7.36	*
55	ALCOHOLIC	3.36	2.01	
56	ETHERISH, ANAESTHETIC	10.07	5.87	*
57	CLEANING FLUID	0.33	0.15	
58	GASOLINE, SOLVENT	1.34	0.73	
59	TURPENTINE (PINE OIL)	3.36	1.93	
60	GERANIUM LEAVES	5.36	2.54	
61	CELERY	3.37	1.90	
62	FRESH GREEN VEGETABLES	2.01	0.97	

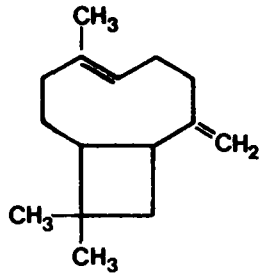
63	CRUSHED WEEDS	5.70	3.33	
64	CRUSHED GRASS	5.36	3.22	
65	HERBAL, GREEN, CUT GRASS	28.53	17.99	****
66	RAW CUCUMBER	1.01	0.52	
67	HAY	1.35	0.73	
68	GRAINY (AS GRAIN)	0.68	0.30	
69	YEASTY	0.67	0.47	
70	BAKERY (FRESH BREAD)	0.68	0.30	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.67	0.42	
73	BEERY	0.00	0.00	
74	SOAPY	1.67	1.00	
75	LEATHER	2.68	1.34	
76	CARDBOARD	0.67	0.47	
77	ROPE	0.33	0.15	
78	WET PAPER	1.00	0.62	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.67	0.30	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	4.03	2.15	
83	RAW POTATO	0.34	0.26	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.33	0.15	
87	BEANY	0.33	0.30	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.69	2.22	
90	CORK	0.34	0.15	
91	BURNT, SMOKY	3.03	1.97	
92	FRESH TOBACCO SMOKE	0.34	0.15	
93	INCENSE	4.36	2.74	
94	COFFEE	0.34	0.15	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.34	0.73	
99	TAR	1.01	0.52	
100	CREOSOTE	1.00	0.64	
101	DISINFECTANT, CARBOLIC	2.35	1.35	
102	MEDICINAL	14.44	8.24	**
103	CHEMICAL	4.71	2.75	
104	BITTER	1.35	0.68	
105	SHARP, PUNGENT, ACID	5.70	3.26	
106	SOUR, VINEGAR	1.34	0.95	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.34	0.21	
109	URINE	0.34	0.21	
110	CAT URINE	0.00	0.00	
111	FISHY	0.33	0.26	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.67	0.30	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	1.01	0.45	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	4.69	2.81	
119	BUTTERY, FRESH BUTTER	1.34	0.85	
120	PAINT	0.68	0.57	
121	VARNISH	0.67	0.30	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.34	0.21	
127	RANCID	0.00	0.00	
128	SWEATY	2.69	1.94	
129	CHEESY	10.08	6.92	*
130	HOUSEHOLD GAS	0.34	0.26	
131	SULFIDIC	1.01	0.58	
132	GARLIC, ONION	0.34	0.21	
133	METALLIC	3.02	1.69	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.34	0.21	
136	SEWER	0.34	0.26	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.34	0.21	
139	CADAVEROUS (DEAD ANIMAL)	0.33	0.26	
140	SICKENING	1.34	0.78	
141	DRY, POWDERY	4.37	2.30	
142	CHALKY	0.33	0.21	
143	LIGHT	37.93	27.13	******
144	HEAVY	15.78	11.51	**
145	COOL, COOLING	65.78	50.52	**********
146	WARM	10.39	6.69	*

TABLE 27—Caryophyllene (beta and gamma Isomers)

BETA: BICYCLO(7.2.0)UNDEC-4-ENE,4,11,11-TRIMETHYL-8-METHYLENE
BETA: BICYCLO(7.2.0)UNDEC-3(E)-ENE,7-METHYLENE-3,9,9-TRIMETHYL
GAMMA: BICYCLO(7.2.0)UNDEC-4-ENE,4,11-TRIMETHYL-8-METHYLENE, Z
GAMMA: ISOCARYOPHYLLENE

CHEM. ABSTR. REG. NOS. 87-44-5 AND 118-65-0

C15 H24
MOL. WT. 204.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	123
NUMBER WHO DETECTED ODOR.....	122
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

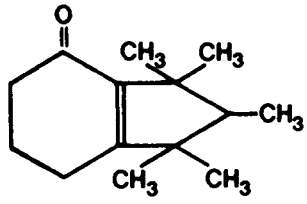
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.82	0.63	
2	LEMON	1.64	1.16	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.64	0.90	
5	FRUITY, OTHER THAN CITRUS	9.84	6.60	*
6	PINEAPPLE	0.82	0.52	
7	GRAPE JUICE	0.82	0.52	
8	STRAWBERRY	0.82	0.37	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.64	0.73	
11	CANTALOUPE, HONEY DEW MELON	0.82	0.63	
12	PEACH (FRUIT)	0.82	0.37	
13	BANANA	0.00	0.00	
14	FLORAL	11.48	7.51	*
15	ROSE	5.74	3.76	
16	VIOLETS	2.46	2.11	
17	LAVENDER	5.74	3.63	
18	COLOGNE	4.10	2.72	
19	MUSK	0.82	0.63	
20	PERFUMERY	13.11	8.92	**
21	FRAGRANT	35.25	25.21	******
22	AROMATIC	33.61	25.06	******
23	HONEY	0.82	0.37	
24	CHERRY (BERRY)	1.64	0.90	
25	ALMOND	0.82	0.52	
26	NAIL POLISH REMOVER	1.64	1.16	
27	NUTTY (WALNUT ETC)	0.82	0.63	
28	SPICY	36.07	27.29	******
29	CLOVE	19.67	16.06	****
30	CINNAMON	28.69	23.56	*****
31	LAUREL LEAVES	0.82	0.52	
32	TEA LEAVES	3.28	2.20	
33	SEASONING (FOR MEAT)	1.64	0.90	
34	BLACK PEPPER	0.82	0.52	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.64	0.90	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.28	1.80	
39	WOODY, RESINOUS	28.69	21.36	*****
40	CEDARWOOD	21.31	17.63	****
41	MOTHBALLS	3.28	2.20	
42	MINTY, PEPPERMINT	18.03	12.98	***
43	CAMPHOR	8.20	5.31	*
44	EUCALIPTUS	4.92	2.69	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.64	0.90	
47	SWEET	29.51	20.28	*****
48	MAPLE SYRUP	0.82	0.52	
49	CARAMEL	1.64	1.04	
50	MALTY	0.82	0.52	
51	RAISINS	2.46	1.68	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.82	0.52	
54	ANISE (LICORICE)	8.20	5.56	*
55	ALCOHOLIC	0.82	0.37	
56	ETHERISH, ANAESTHETIC	1.64	1.04	
57	CLEANING FLUID	1.64	0.73	
58	GASOLINE, SOLVENT	4.10	2.17	
59	TURPENTINE (PINE OIL)	7.38	4.79	*
60	GERANIUM LEAVES	2.46	1.56	
61	CELERY	0.82	0.37	
62	FRESH GREEN VEGETABLES	3.28	2.20	

63	CRUSHED WEEDS	2.46	1.42	
64	CRUSHED GRASS	1.64	0.90	
65	HERBAL, GREEN, CUT GRASS	16.39	9.97	**
66	RAW CUCUMBER	0.82	0.52	
67	HAY	2.46	1.27	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.82	0.52	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	1.64	1.27	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.82	0.63	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.28	2.43	
82	MUSTY, EARTHY, MOLDY	10.66	6.34	*
83	RAW POTATO	0.82	0.52	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	1.64	0.90	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.92	3.36	
90	CORK	1.64	0.90	
91	BURNT, SMOKY	9.02	5.57	*
92	FRESH TOBACCO SMOKE	0.82	0.37	
93	INCENSE	7.38	4.67	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.64	1.27	
96	BURNT PAPER	0.82	0.37	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.82	0.37	
99	TAR	0.82	0.52	
100	CREOSOTE	1.64	0.73	
101	DISINFECTANT, CARBOLIC	4.10	2.17	
102	MEDICINAL	7.38	3.81	
103	CHEMICAL	5.74	3.36	
104	BITTER	4.92	3.48	
105	SHARP, PUNGENT, ACID	9.02	5.30	*
106	SOUR, VINEGAR	5.74	4.11	*
107	SAUERKRAUT	0.82	0.37	
108	AMMONIA	0.82	0.52	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.82	0.73	
112	KIPPERY (SMOKED FISH)	0.82	0.37	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.82	0.37	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.46	1.10	
118	OILY, FATTY	1.64	0.73	
119	BUTTERY, FRESH BUTTER	0.82	0.37	
120	PAINT	4.92	2.69	
121	VARNISH	2.46	1.42	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	5.74	3.07	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.82	0.52	
132	GARLIC, ONION	0.82	0.37	
133	METALLIC	2.46	1.27	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.82	0.52	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.82	0.63	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.28	2.07	
141	DRY, POWDERY	6.56	4.02	*
142	CHALKY	0.82	0.37	
143	LIGHT	22.13	15.71	***
144	HEAVY	7.38	5.50	*
145	COOL, COOLING	19.67	13.32	***
146	WARM	12.30	8.40	

TABLE 28—Cashmeran

1H-INDEN-4(5H)-ONE,2,3,6,7-TETRAHYDRO-1,1,2,3,3-PENTAMETHYL
4(5H)-INDANONE,6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL
TETRAHYDRO PENTAMETHYL INDANE KETONE

CHEM. ABSTR. REG. NO. 33704-61-9
C14 H22 O1
MOL. WT. 206.2



CONCENTRATION, G/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

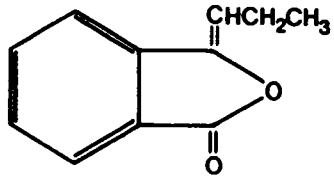
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS----------	7.14	4.40	*
2	LEMON----------	4.29	2.60	
3	GRAPEFRUIT----------	0.71	0.32	
4	ORANGE----------	2.14	1.24	
5	FRUITY, OTHER THAN CITRUS----------	9.29	5.52	*
6	PINEAPPLE----------	0.00	0.00	
7	GRAPE JUICE----------	1.43	1.01	
8	STRAWBERRY----------	3.57	1.75	
9	APPLE (FRUIT)----------	0.00	0.00	
10	PEAR----------	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON--------	0.71	0.45	
12	PEACH (FRUIT)----------	0.71	0.32	
13	BANANA----------	0.71	0.32	
14	FLORAL----------	34.29	25.04	******
15	ROSE----------	9.29	5.76	*
16	VIOLETS----------	5.71	3.26	
17	LAVENDER----------	16.43	10.16	**
18	COLOGNE----------	24.29	17.37	****
19	MUSK----------	22.14	17.52	****
20	PERFUMERY----------	52.86	42.75	**********
21	FRAGRANT----------	71.43	57.59	**********
22	AROMATIC----------	45.71	36.14	*********
23	HONEY----------	0.71	0.32	
24	CHERRY (BERRY)----------	5.71	3.61	
25	ALMOND----------	4.29	2.07	
26	NAIL POLISH REMOVER----------	1.43	1.11	
27	NUTTY (WALNUT ETC)----------	2.86	1.69	
28	SPICY----------	22.86	15.33	***
29	CLOVE----------	2.86	1.81	
30	CINNAMON----------	3.57	2.67	
31	LAUREL LEAVES----------	0.71	0.32	
32	TEA LEAVES----------	1.43	0.64	
33	SEASONING (FOR MEAT)----------	2.14	1.36	
34	BLACK PEPPER----------	3.57	2.67	
35	GREEN PEPPER----------	0.00	0.00	
36	DILL----------	1.43	0.90	
37	CARAWAY----------	0.71	0.32	
38	OAK WOOD, COGNAC----------	5.71	3.26	
39	WOODY, RESINOUS----------	25.71	18.58	****
40	CEDARWOOD----------	24.29	17.67	****
41	MOTHBALLS----------	2.86	2.12	
42	MINTY, PEPPERMINT----------	5.00	3.27	
43	CAMPHOR----------	10.71	7.42	*
44	EUCALIPTUS----------	7.14	4.16	*
45	CHOCOLATE----------	0.00	0.00	
46	VANILLA----------	1.43	0.90	
47	SWEET----------	38.57	28.85	*******
48	MAPLE SYRUP----------	0.71	0.55	
49	CARAMEL----------	1.43	0.78	
50	MALTY----------	2.14	1.36	
51	RAISINS----------	1.43	1.20	
52	MOLASSES----------	0.00	0.00	
53	COCONUT----------	0.71	0.45	
54	ANISE (LICORICE)----------	0.00	0.00	
55	ALCOHOLIC----------	2.14	1.11	
56	ETHERISH, ANAESTHETIC----------	11.43	7.00	*
57	CLEANING FLUID----------	3.57	2.86	
58	GASOLINE, SOLVENT----------	4.29	2.35	
59	TURPENTINE (PINE OIL)----------	12.86	8.78	**
60	GERANIUM LEAVES----------	2.86	1.56	
61	CELERY----------	0.00	0.00	
62	FRESH GREEN VEGETABLES----------	1.43	0.78	

63	CRUSHED WEEDS	2.86	1.28	
64	CRUSHED GRASS	3.57	1.75	
65	HERBAL, GREEN, CUT GRASS	21.43	14.74	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.86	1.56	
68	GRAINY (AS GRAIN)	2.86	1.69	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.71	0.32	
74	SOAPY	23.57	18.17	****
75	LEATHER	4.29	2.07	
76	CARDBOARD	2.86	1.81	
77	ROPE	1.43	0.78	
78	WET PAPER	1.43	0.78	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.71	0.55	
81	STALE	4.29	2.71	
82	MUSTY, EARTHY, MOLDY	9.29	5.52	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.71	0.45	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	1.43	1.28	
89	BARK, BIRCH BARK	6.43	3.71	
90	CORK	2.14	1.36	
91	BURNT, SMOKY	7.86	5.19	*
92	FRESH TOBACCO SMOKE	0.71	0.32	
93	INCENSE	26.43	20.93	*****
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	2.14	1.36	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.71	0.32	
100	CREOSOTE	4.29	2.71	
101	DISINFECTANT, CARBOLIC	5.71	3.61	
102	MEDICINAL	7.86	5.90	*
103	CHEMICAL	9.29	6.20	*
104	BITTER	2.86	2.12	
105	SHARP, PUNGENT, ACID	12.86	8.35	**
106	SOUR, VINEGAR	2.14	1.24	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.14	1.66	
109	URINE	2.14	1.36	
110	CAT URINE	0.00	0.00	
111	FISHY	1.43	0.90	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.71	0.45	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.71	0.32	
116	BURNT CANDLE	2.14	1.11	
117	KEROSENE	2.14	1.24	
118	OILY, FATTY	5.00	3.16	
119	BUTTERY, FRESH BUTTER	0.71	0.32	
120	PAINT	5.71	3.26	
121	VARNISH	4.29	2.35	
122	POPCORN	0.71	0.55	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.71	0.32	
127	RANCID	0.71	0.45	
128	SWEATY	3.57	1.89	
129	CHEESY	0.71	0.32	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.43	1.20	
132	GARLIC, ONION	0.71	0.45	
133	METALLIC	5.00	3.16	
134	BLOOD, RAW MEAT	0.71	0.45	
135	ANIMAL	2.14	1.24	
136	SEWER	0.71	0.32	
137	PUTRID, FOUL, DECAYED	1.43	0.90	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.29	3.13	
141	DRY, POWDERY	22.14	16.97	****
142	CHALKY	2.14	1.56	
143	LIGHT	27.14	19.19	****
144	HEAVY	26.43	21.46	*****
145	COOL, COOLING	14.29	10.20	**
146	WARM	20.71	14.90	***

TABLE 29—Celeriax

1(3H)-ISOBENZOFURANONE,3-PROPYLIDENE
PHTHALIDE, 3-PROPYLIDENE
3-PROPYLIDENE PHTHALIDE

CHEM. ABSTR. REG. NO. 17369-59-4
C11 H10 O2
MOL. WT. 174.1



CONCENTRATION, ML/LITER.....	120
NUMBER OF EVALUATORS.....	123
NUMBER WHO DETECTED ODOR.....	123
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

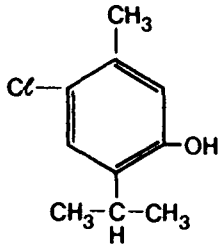
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.81	0.36	
3	GRAPEFRUIT	0.81	0.51	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.63	1.26	
6	PINEAPPLE	1.63	0.89	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.81	0.36	
9	APPLE (FRUIT)	0.81	0.63	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.81	0.51	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.81	0.36	
14	FLORAL	1.63	1.03	
15	ROSE	1.63	1.54	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.81	0.51	
18	COLOGNE	1.63	0.73	
19	MUSK	4.88	3.09	
20	PERFUMERY	2.44	1.26	
21	FRAGRANT	18.70	13.28	***
22	AROMATIC	26.83	19.59	****
23	HONEY	7.32	4.75	*
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	9.76	6.17	*
26	NAIL POLISH REMOVER	1.63	0.89	
27	NUTTY (WALNUT ETC)	18.70	12.45	***
28	SPICY	17.07	11.66	**
29	CLOVE	1.63	0.89	
30	CINNAMON	3.25	2.41	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	2.44	1.26	
33	SEASONING (FOR MEAT)	5.69	3.73	
34	BLACK PEPPER	4.07	2.57	
35	GREEN PEPPER	0.81	0.51	
36	DILL	3.25	2.06	
37	CARAWAY	0.81	0.63	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	23.58	14.91	***
40	CEDARWOOD	4.88	3.33	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	4.07	2.30	
43	CAMPHOR	0.81	0.51	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	4.88	3.78	
46	VANILLA	8.13	4.45	*
47	SWEET	34.15	25.27	******
48	MAPLE SYRUP	33.33	27.35	******
49	CARAMEL	17.89	14.37	***
50	MALTY	10.57	7.06	*
51	RAISINS	0.00	0.00	
52	MOLASSES	17.07	12.80	***
53	COCONUT	0.81	0.36	
54	ANISE (LICORICE)	4.07	1.82	
55	ALCOHOLIC	0.81	0.81	
56	ETHERISH, ANAESTHETIC	1.63	1.03	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	2.44	1.54	
59	TURPENTINE (PINE OIL)	2.44	1.67	
60	GERANIUM LEAVES	2.44	1.41	
61	CELERY	26.83	22.30	*****
62	FRESH GREEN VEGETABLES	12.20	8.45	**

63	CRUSHED WEEDS	6.50	4.11	*
64	CRUSHED GRASS	4.88	3.56	
65	HERBAL, GREEN, CUT GRASS	15.45	10.15	**
66	RAW CUCUMBER	2.44	1.26	
67	HAY	3.25	1.63	
68	GRAINY (AS GRAIN)	1.63	0.89	
69	YEASTY	0.81	0.36	
70	BAKERY (FRESH BREAD)	2.44	1.54	
71	SOUR MILK	0.81	0.36	
72	FERMENTED (ROTTEN) FRUIT	0.81	0.51	
73	BEERY	0.81	0.36	
74	SOAPY	1.63	1.03	
75	LEATHER	3.25	1.92	
76	CARDBOARD	4.07	2.44	
77	ROPE	0.00	0.00	
78	WET PAPER	0.81	0.63	
79	WET WOOL, WET DOG	0.81	0.36	
80	DIRTY LINEN	0.81	0.36	
81	STALE	0.81	0.73	
82	MUSTY, EARTHY, MOLDY	13.01	7.97	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.81	0.51	
85	MUSHROOM	0.81	0.51	
86	PEANUT BUTTER	1.63	0.89	
87	BEANY	0.81	0.36	
88	EGGY (FRESH EGGS)	1.63	1.15	
89	BARK, BIRCH BARK	5.69	4.08	*
90	CORK	3.25	1.45	
91	BURNT, SMOKY	26.83	17.72	****
92	FRESH TOBACCO SMOKE	0.81	0.73	
93	INCENSE	1.63	0.73	
94	COFFEE	5.69	3.73	
95	STALE TOBACCO SMOKE	4.07	2.93	
96	BURNT PAPER	7.32	4.75	*
97	BURNT MILK	0.81	0.36	
98	BURNT RUBBER	2.44	1.41	
99	TAR	3.25	1.92	
100	CREOSOTE	1.63	0.89	
101	DISINFECTANT, CARBOLIC	1.63	1.36	
102	MEDICINAL	4.88	3.56	
103	CHEMICAL	4.88	3.78	
104	BITTER	1.63	0.89	
105	SHARP, PUNGENT, ACID	8.13	6.19	*
106	SOUR, VINEGAR	3.25	1.63	
107	SAUERKRAUT	0.81	0.36	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	1.63	1.15	
116	BURNT CANDLE	2.44	1.41	
117	KEROSENE	0.81	0.51	
118	OILY, FATTY	10.57	6.15	*
119	BUTTERY, FRESH BUTTER	1.63	1.03	
120	PAINT	4.88	3.21	
121	VARNISH	2.44	1.54	
122	POPCORN	0.81	0.63	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	8.13	3.98	
125	SOUPY	0.81	0.63	
126	COOKED VEGETABLES	6.50	4.11	*
127	RANCID	0.81	0.73	
128	SWEATY	3.25	1.92	
129	CHEESY	0.81	0.63	
130	HOUSEHOLD GAS	0.81	0.63	
131	SULFIDIC	2.44	1.26	
132	GARLIC, ONION	2.44	1.41	
133	METALLIC	1.63	0.73	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.81	0.73	
136	SEWER	0.81	0.36	
137	PUTRID, FOUL, DECAYED	1.63	0.89	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	6.50	4.60	*
141	DRY, POWDERY	7.32	4.36	*
142	CHALKY	0.00	0.00	
143	LIGHT	8.13	5.14	*
144	HEAVY	28.46	22.04	*****
145	COOL, COOLING	0.81	0.73	
146	WARM	15.45	12.28	

TABLE 30—Chlorothymol

P-CYMENE-2-CHLORO-5-HYDROXY
6-CHLORO-3-OXY-1-METHYL-4-ISOPROPYL BENZENE
PHENOL, 4-CHLORO-2-ISOPROPYL-5-METHYL
P-CYMENE-3-OL, 6-CHLORO
THYMOL, 6-CHLORO

CHEM. ABSTR. REG. NO. 89-68-9
C10 H13 O1 CL1
MOL. WT. 184.7



CONCENTRATION, G/LITER..... 100
NUMBER OF EVALUATORS..... 130
NUMBER WHO DETECTED ODOR..... 117
PERCENT WHO DETECTED ODOR..... 90

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

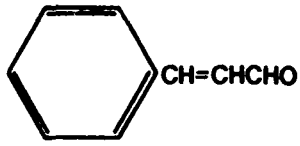
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.85	0.38	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.85	0.38	
14	FLORAL	0.00	0.00	
15	ROSE	1.71	0.94	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	5.98	3.65	
20	PERFUMERY	2.56	1.48	
21	FRAGRANT	8.55	5.41	*
22	AROMATIC	11.97	7.57	*
23	HONEY	0.85	0.38	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.56	1.15	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.85	0.66	
28	SPICY	7.69	4.87	*
29	CLOVE	0.85	0.38	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.85	0.38	
37	CARAWAY	0.85	0.38	
38	OAK WOOD, COGNAC	0.85	0.38	
39	WOODY, RESINOUS	12.82	8.37	**
40	CEDARWOOD	3.42	2.29	
41	MOTHBALLS	12.82	9.36	**
42	MINTY, PEPPERMINT	2.56	1.15	
43	CAMPHOR	6.84	4.32	*
44	EUCALIPTUS	2.56	1.32	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.71	0.76	
47	SWEET	6.84	4.19	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.85	0.54	
51	RAISINS	0.85	0.38	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.71	0.76	
56	ETHERISH, ANAESTHETIC	7.69	4.87	*
57	CLEANING FLUID	9.40	5.38	*
58	GASOLINE, SOLVENT	9.40	7.06	*
59	TURPENTINE (PINE OIL)	5.98	3.78	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.85	0.38	

63	CRUSHED WEEDS	4.27	2.56	
64	CRUSHED GRASS	2.56	1.15	
65	HERBAL, GREEN, CUT GRASS	9.40	5.81	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.85	0.54	
68	GRAINY (AS GRAIN)	1.71	0.94	
69	YEASTY	1.71	1.08	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.85	0.38	
73	BEERY	0.00	0.00	
74	SOAPY	4.27	2.56	
75	LEATHER	3.42	2.42	
76	CARDBOARD	3.42	1.87	
77	ROPE	2.56	1.62	
78	WET PAPER	4.27	2.83	
79	WET WOOL, WET DOG	6.84	4.83	*
80	DIRTY LINEN	0.85	0.38	
81	STALE	8.55	5.27	*
82	MUSTY, EARTHY, MOLDY	17.09	11.08	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	1.71	1.21	
85	MUSHROOM	0.85	0.66	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.85	0.66	
89	BARK, BIRCH BARK	1.71	1.08	
90	CORK	2.56	1.32	
91	BURNT, SMOKY	8.55	5.27	*
92	FRESH TOBACCO SMOKE	0.85	0.38	
93	INCENSE	1.71	1.21	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.85	0.76	
96	BURNT PAPER	0.85	0.38	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	5.98	4.05	*
99	TAR	9.40	6.34	*
100	CREOSOTE	4.27	2.42	
101	DISINFECTANT, CARBOLIC	9.40	5.95	*
102	MEDICINAL	13.68	8.92	**
103	CHEMICAL	15.38	11.24	**
104	BITTER	3.42	2.16	
105	SHARP, PUNGENT, ACID	11.97	7.57	*
106	SOUR, VINEGAR	8.55	4.83	*
107	SAUERKRAUT	1.71	1.08	
108	AMMONIA	2.56	1.48	
109	URINE	0.00	0.00	
110	CAT URINE	0.85	0.66	
111	FISHY	0.85	0.38	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	11.11	9.25	**
115	SOOTY	3.42	1.87	
116	BURNT CANDLE	2.56	1.32	
117	KEROSENE	5.13	2.96	
118	OILY, FATTY	11.97	8.46	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	5.13	3.24	
121	VARNISH	3.42	1.71	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.85	0.54	
125	SOUPY	0.85	0.38	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	5.98	4.17	*
128	SWEATY	8.55	5.41	*
129	CHEESY	0.85	0.38	
130	HOUSEHOLD GAS	4.27	3.08	
131	SULFIDIC	5.98	3.65	
132	GARLIC, ONION	9.40	7.17	*
133	METALLIC	6.84	4.32	*
134	BLOOD, RAW MEAT	1.71	0.94	
135	ANIMAL	2.56	1.87	
136	SEWER	1.71	0.94	
137	PUTRID, FOUL, DECAYED	8.55	5.54	*
138	FECAL (LIKE MANURE)	6.84	4.59	*
139	CADAVEROUS (DEAD ANIMAL)	1.71	1.32	
140	SICKENING	17.95	12.99	***
141	DRY, POWDERY	13.68	7.33	*
142	CHALKY	0.85	0.38	
143	LIGHT	30.77	20.77	*****
144	HEAVY	11.11	8.82	**
145	COOL, COOLING	6.84	4.59	*
146	WARM	11.11	7.67	

TABLE 31—Cinnamic Aldehyde

2-PROPENAL, 3-PHENYL
CINNAMALDEHYDE

CHEM. ABSTR. REG. NO. 104-55-2
C9 H8 O1
MOL. WT. 132.1



CONCENTRATION, ML/LITER.....	50
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

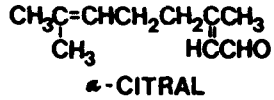
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.43	1.11	
2	LEMON	2.86	1.69	
3	GRAPEFRUIT	0.71	0.32	
4	ORANGE	1.43	0.64	
5	FRUITY, OTHER THAN CITRUS	6.43	3.95	
6	PINEAPPLE	1.43	0.64	
7	GRAPE JUICE	1.43	0.90	
8	STRAWBERRY	1.43	0.90	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.57	1.89	
11	CANTALOUPE, HONEY DEW MELON	0.71	0.32	
12	PEACH (FRUIT)	2.14	1.36	
13	BANANA	0.71	0.45	
14	FLORAL	14.29	9.04	**
15	ROSE	5.00	3.16	
16	VIOLETS	2.14	1.36	
17	LAVENDER	5.00	2.93	
18	COLOGNE	5.00	3.05	
19	MUSK	5.71	3.73	
20	PERFUMERY	17.86	11.74	**
21	FRAGRANT	63.57	47.17	**********
22	AROMATIC	53.57	42.50	**********
23	HONEY	7.14	4.52	*
24	CHERRY (BERRY)	5.00	3.16	
25	ALMOND	20.71	12.87	***
26	NAIL POLISH REMOVER	0.71	0.45	
27	NUTTY (WALNUT ETC)	5.71	3.73	
28	SPICY	60.71	52.35	**********
29	CLOVE	33.57	23.69	*****
30	CINNAMON	75.71	69.14	**********
31	LAUREL LEAVES	1.43	1.01	
32	TEA LEAVES	0.71	0.32	
33	SEASONING (FOR MEAT)	0.71	0.55	
34	BLACK PEPPER	0.71	0.45	
35	GREEN PEPPER	2.86	1.43	
36	DILL	0.00	0.00	
37	CARAWAY	0.71	0.32	
38	OAK WOOD, COGNAC	3.57	1.89	
39	WOODY, RESINOUS	14.29	9.26	**
40	CEDARWOOD	9.29	5.52	*
41	MOTHBALLS	1.43	0.90	
42	MINTY, PEPPERMINT	22.86	14.23	***
43	CAMPHOR	5.71	3.13	
44	EUCALIPTUS	5.71	3.61	
45	CHOCOLATE	0.71	0.32	
46	VANILLA	6.43	3.59	
47	SWEET	56.43	43.25	**********
48	MAPLE SYRUP	3.57	2.26	
49	CARAMEL	5.00	2.24	
50	MALTY	0.71	0.45	
51	RAISINS	5.00	3.05	
52	MOLASSES	1.43	0.90	
53	COCONUT	2.14	0.96	
54	ANISE (LICORICE)	7.14	4.63	*
55	ALCOHOLIC	0.71	0.55	
56	ETHERISH, ANAESTHETIC	7.86	4.37	*
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	1.43	0.64	
59	TURPENTINE (PINE OIL)	2.14	1.11	
60	GERANIUM LEAVES	1.43	0.78	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.71	0.55	

63	CRUSHED WEEDS	2.86	1.56	
64	CRUSHED GRASS	1.43	0.78	
65	HERBAL, GREEN, CUT GRASS	10.71	6.43	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.71	0.55	
68	GRAINY (AS GRAIN)	0.71	0.32	
69	YEASTY	0.71	0.32	
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.71	0.45	
73	BEERY	0.00	0.00	
74	SOAPY	2.86	1.69	
75	LEATHER	2.14	1.11	
76	CARDBOARD	0.71	0.45	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.14	1.36	
82	MUSTY, EARTHY, MOLDY	5.00	2.67	
83	RAW POTATO	0.71	0.45	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.14	4.40	*
90	CORK	0.71	0.45	
91	BURNT, SMOKY	5.00	2.67	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	12.86	7.79	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.71	0.32	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.71	0.32	
99	TAR	0.71	0.32	
100	CREOSOTE	1.43	0.64	
101	DISINFECTANT, CARBOLIC	1.43	1.11	
102	MEDICINAL	10.00	5.73	*
103	CHEMICAL	5.71	3.13	
104	BITTER	2.14	0.96	
105	SHARP, PUNGENT, ACID	14.29	9.79	**
106	SOUR, VINEGAR	0.71	0.32	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.71	0.32	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	2.14	1.46	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.71	0.32	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	2.14	1.36	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	9.29	5.40	*
119	BUTTERY, FRESH BUTTER	1.43	1.01	
120	PAINT	0.71	0.45	
121	VARNISH	3.57	2.58	
122	POPCORN	1.43	0.64	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.71	0.32	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.43	0.90	
128	SWEATY	6.43	3.32	
129	CHEESY	0.71	0.32	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.43	0.78	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.71	0.32	
136	SEWER	0.71	0.32	
137	PUTRID, FOUL, DECAYED	0.71	0.32	
138	FECAL (LIKE MANURE)	0.71	0.45	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.14	1.46	
141	DRY, POWDERY	5.00	2.93	
142	CHALKY	0.00	0.00	
143	LIGHT	22.14	14.99	***
144	HEAVY	23.57	17.70	****
145	COOL, COOLING	10.71	7.32	*
146	WARM	34.29	24.94	******

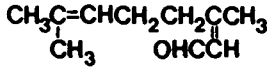
TABLE 32—Citral

2,6-OCTADIENAL,3,7-DIMETHYL,E
3.7-DIMETHYL-OCTADIEN-2,6-AL
OCTA-2(E),6-DIENAL,3,7-DIMETHYL

CHEM. ABSTR. REG. NO. 141-27-5
C10 H16 O1
MOL. WT. 152.1



α-CITRAL



β-CITRAL

CONCENTRATION, ML/LITER.....	50
NUMBER OF EVALUATORS.....	150
NUMBER WHO DETECTED ODOR.....	150
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

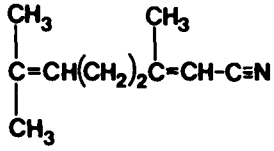
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	68.67	61.94	***************
2	LEMON	80.00	71.48	******************
3	GRAPEFRUIT	21.33	12.28	***
4	ORANGE	36.67	24.42	******
5	FRUITY, OTHER THAN CITRUS	8.67	6.08	*
6	PINEAPPLE	8.00	4.38	*
7	GRAPE JUICE	1.33	0.60	
8	STRAWBERRY	2.67	1.46	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.33	2.11	
11	CANTALOUPE, HONEY DEW MELON	4.00	2.42	
12	PEACH (FRUIT)	4.00	2.31	
13	BANANA	1.33	0.60	
14	FLORAL	20.00	12.22	***
15	ROSE	7.33	4.20	*
16	VIOLETS	3.33	2.11	
17	LAVENDER	4.67	2.95	
18	COLOGNE	17.33	11.87	**
19	MUSK	3.33	2.00	
20	PERFUMERY	26.00	18.43	****
21	FRAGRANT	62.67	49.14	************
22	AROMATIC	52.67	40.97	**********
23	HONEY	3.33	1.76	
24	CHERRY (BERRY)	3.33	1.63	
25	ALMOND	3.33	2.00	
26	NAIL POLISH REMOVER	3.33	1.76	
27	NUTTY (WALNUT ETC)	1.33	0.84	
28	SPICY	15.33	9.48	**
29	CLOVE	2.00	1.15	
30	CINNAMON	2.00	1.26	
31	LAUREL LEAVES	3.33	2.11	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	1.33	1.03	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	2.00	1.15	
36	DILL	4.00	2.19	
37	CARAWAY	0.67	0.52	
38	OAK WOOD, COGNAC	0.67	0.42	
39	WOODY, RESINOUS	6.67	4.52	*
40	CEDARWOOD	6.00	3.58	
41	MOTHBALLS	2.67	1.33	
42	MINTY, PEPPERMINT	9.33	5.69	*
43	CAMPHOR	3.33	2.00	
44	EUCALIPTUS	7.33	4.84	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.33	0.73	
47	SWEET	49.33	35.45	********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.67	0.52	
54	ANISE (LICORICE)	1.33	0.60	
55	ALCOHOLIC	3.33	2.11	
56	ETHERISH, ANAESTHETIC	6.67	3.77	
57	CLEANING FLUID	4.00	2.42	
58	GASOLINE, SOLVENT	1.33	0.84	
59	TURPENTINE (PINE OIL)	8.00	5.06	*
60	GERANIUM LEAVES	6.67	3.65	
61	CELERY	1.33	0.60	
62	FRESH GREEN VEGETABLES	3.33	2.00	

63	CRUSHED WEEDS	6.00	3.35	
64	CRUSHED GRASS	6.00	3.46	
65	HERBAL, GREEN, CUT GRASS	32.00	20.96	*****
66	RAW CUCUMBER	0.67	0.30	
67	HAY	2.00	1.03	
68	GRAINY (AS GRAIN)	0.67	0.30	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.67	1.33	
73	BEERY	0.00	0.00	
74	SOAPY	8.67	5.04	*
75	LEATHER	0.67	0.30	
76	CARDBOARD	0.67	0.42	
77	ROPE	1.33	0.73	
78	WET PAPER	0.67	0.30	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.67	0.67	
81	STALE	0.67	0.42	
82	MUSTY, EARTHY, MOLDY	4.67	2.95	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.33	2.31	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	2.00	1.46	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.00	3.58	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	1.33	0.94	
101	DISINFECTANT, CARBOLIC	4.67	2.84	
102	MEDICINAL	4.00	2.19	
103	CHEMICAL	8.67	5.48	*
104	BITTER	2.67	1.98	
105	SHARP, PUNGENT, ACID	26.67	17.28	****
106	SOUR, VINEGAR	12.67	7.58	*
107	SAUERKRAUT	0.67	0.30	
108	AMMONIA	2.00	0.89	
109	URINE	0.67	0.30	
110	CAT URINE	0.00	0.00	
111	FISHY	2.00	1.37	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	2.00	1.26	
117	KEROSENE	2.00	1.15	
118	OILY, FATTY	10.00	5.89	*
119	BUTTERY, FRESH BUTTER	0.67	0.30	
120	PAINT	3.33	2.31	
121	VARNISH	2.00	1.15	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.67	0.42	
127	RANCID	2.00	1.03	
128	SWEATY	3.33	1.63	
129	CHEESY	0.67	0.52	
130	HOUSEHOLD GAS	0.67	0.42	
131	SULFIDIC	0.67	0.30	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	5.33	2.92	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.67	0.30	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.67	1.19	
141	DRY, POWDERY	3.33	2.00	
142	CHALKY	0.67	0.30	
143	LIGHT	30.00	23.24	*****
144	HEAVY	19.33	14.45	***
145	COOL, COOLING	34.67	24.42	******
146	WARM	11.33	7.48	*

TABLE 33—Citralva

2,6-OCTADIENENNITRILE,3.7-DIMETHYL,E
GERANO NITRILE
CETRANO NITRILE

CHEM. ABSTR. REG. NO. 5585-39-7
C10 H15 N1
MOL. WT. 149.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

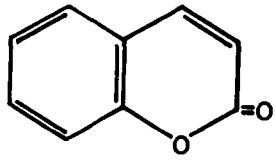
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	46.09	40.96	**********
2	LEMON	64.06	55.34	**********
3	GRAPEFRUIT	7.03	5.13	*
4	ORANGE	18.75	11.86	**
5	FRUITY, OTHER THAN CITRUS	10.16	7.77	*
6	PINEAPPLE	3.13	1.56	
7	GRAPE JUICE	2.34	1.21	
8	STRAWBERRY	1.56	0.86	
9	APPLE (FRUIT)	0.78	0.35	
10	PEAR	1.56	0.70	
11	CANTALOUPE, HONEY DEW MELON	2.34	1.21	
12	PEACH (FRUIT)	1.56	1.10	
13	BANANA	0.78	0.35	
14	FLORAL	14.06	9.26	**
15	ROSE	1.56	0.99	
16	VIOLETS	0.78	0.49	
17	LAVENDER	2.34	1.48	
18	COLOGNE	6.25	4.07	*
19	MUSK	1.56	1.10	
20	PERFUMERY	13.28	8.76	**
21	FRAGRANT	44.53	33.47	********
22	AROMATIC	26.56	19.86	****
23	HONEY	3.13	1.98	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.78	0.35	
26	NAIL POLISH REMOVER	2.34	1.05	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	9.38	6.74	*
29	CLOVE	2.34	1.35	
30	CINNAMON	0.78	0.49	
31	LAUREL LEAVES	1.56	0.86	
32	TEA LEAVES	3.13	1.56	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.78	0.70	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.56	0.86	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	8.59	4.92	*
40	CEDARWOOD	3.13	1.85	
41	MOTHBALLS	0.78	0.35	
42	MINTY, PEPPERMINT	3.91	2.71	
43	CAMPHOR	4.69	3.92	
44	EUCALIPTUS	2.34	1.21	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	39.84	28.12	*******
48	MAPLE SYRUP	0.78	0.35	
49	CARAMEL	0.78	0.49	
50	MALTY	0.00	0.00	
51	RAISINS	1.56	0.99	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.78	0.49	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	6.25	4.53	*
56	ETHERISH, ANAESTHETIC	10.16	6.42	*
57	CLEANING FLUID	2.34	1.48	
58	GASOLINE, SOLVENT	1.56	0.99	
59	TURPENTINE (PINE OIL)	4.69	2.84	
60	GERANIUM LEAVES	3.13	1.98	
61	CELERY	0.78	0.35	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.34	1.21	
64	CRUSHED GRASS	1.56	0.99	
65	HERBAL, GREEN, CUT GRASS	21.09	13.34	***
66	RAW CUCUMBER	0.78	0.49	
67	HAY	0.78	0.35	
68	GRAINY (AS GRAIN)	0.78	0.49	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.56	1.21	
73	BEERY	0.00	0.00	
74	SOAPY	8.59	5.91	*
75	LEATHER	1.56	0.86	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.34	2.01	
80	DIRTY LINEN	2.34	1.48	
81	STALE	3.91	2.21	
82	MUSTY, EARTHY, MOLDY	3.91	2.47	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.78	0.49	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.56	1.10	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	3.13	1.85	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.25	4.53	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.78	0.35	
100	CREOSOTE	1.56	1.10	
101	DISINFECTANT, CARBOLIC	6.25	3.95	
102	MEDICINAL	10.16	6.90	*
103	CHEMICAL	14.84	10.66	**
104	BITTER	3.91	2.34	
105	SHARP, PUNGENT, ACID	26.56	18.78	****
106	SOUR, VINEGAR	13.28	8.64	**
107	SAUERKRAUT	0.78	0.35	
108	AMMONIA	0.78	0.61	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.78	0.78	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	7.81	4.42	*
119	BUTTERY, FRESH BUTTER	0.78	0.49	
120	PAINT	4.69	3.53	
121	VARNISH	2.34	1.35	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.78	0.35	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.34	1.48	
128	SWEATY	4.69	2.96	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.78	0.70	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	4.69	2.84	
134	BLOOD, RAW MEAT	0.78	0.61	
135	ANIMAL	0.78	0.49	
136	SEWER	0.78	0.35	
137	PUTRID, FOUL, DECAYED	3.13	1.85	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	10.16	6.17	*
141	DRY, POWDERY	2.34	1.48	
142	CHALKY	1.56	0.86	
143	LIGHT	25.78	17.61	****
144	HEAVY	16.41	13.68	***
145	COOL, COOLING	25.00	18.54	****
146	WARM	6.25	4.84	

TABLE 34—Coumarin

2H-1-BENZOPYRAN-2-ONE

CHEM. ABSTR. REG. NO. 91-64-5
C9 H6 O2
MOL. WT. 146.0



CONCENTRATION, G/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

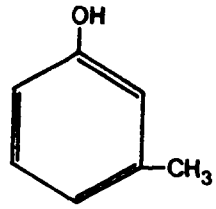
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.86	1.69	
2	LEMON	3.57	2.02	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	14.29	10.40	**
6	PINEAPPLE	3.57	2.02	
7	GRAPE JUICE	0.71	0.55	
8	STRAWBERRY	2.86	1.81	
9	APPLE (FRUIT)	1.43	0.64	
10	PEAR	0.71	0.45	
11	CANTALOUPE, HONEY DEW MELON	0.71	0.32	
12	PEACH (FRUIT)	2.86	1.69	
13	BANANA	1.43	0.90	
14	FLORAL	20.71	14.19	***
15	ROSE	9.29	5.87	*
16	VIOLETS	5.71	3.00	
17	LAVENDER	8.57	4.95	*
18	COLOGNE	12.14	7.09	*
19	MUSK	5.71	3.61	
20	PERFUMERY	25.00	18.22	****
21	FRAGRANT	56.43	42.21	**********
22	AROMATIC	47.86	36.70	*********
23	HONEY	9.29	5.40	*
24	CHERRY (BERRY)	12.86	8.02	**
25	ALMOND	42.86	30.51	*******
26	NAIL POLISH REMOVER	2.14	1.56	
27	NUTTY (WALNUT ETC)	7.86	4.97	*
28	SPICY	17.14	11.39	**
29	CLOVE	4.29	2.21	
30	CINNAMON	16.43	12.35	***
31	LAUREL LEAVES	2.14	1.11	
32	TEA LEAVES	2.14	1.56	
33	SEASONING (FOR MEAT)	1.43	0.78	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.45	
37	CARAWAY	0.71	0.32	
38	OAK WOOD, COGNAC	5.71	3.26	
39	WOODY, RESINOUS	18.57	13.23	***
40	CEDARWOOD	5.71	3.94	
41	MOTHBALLS	3.57	2.26	
42	MINTY, PEPPERMINT	12.86	7.55	*
43	CAMPHOR	6.43	4.29	*
44	EUCALIPTUS	4.29	2.82	
45	CHOCOLATE	0.71	0.32	
46	VANILLA	22.14	14.77	***
47	SWEET	55.00	40.13	**********
48	MAPLE SYRUP	5.00	2.67	
49	CARAMEL	7.14	3.35	
50	MALTY	7.14	3.78	
51	RAISINS	0.00	0.00	
52	MOLASSES	2.14	0.96	
53	COCONUT	15.00	10.95	**
54	ANISE (LICORICE)	7.14	3.78	
55	ALCOHOLIC	1.43	0.78	
56	ETHERISH, ANAESTHETIC	6.43	4.07	*
57	CLEANING FLUID	5.00	3.68	
58	GASOLINE, SOLVENT	0.71	0.45	
59	TURPENTINE (PINE OIL)	7.86	4.49	*
60	GERANIUM LEAVES	2.86	1.56	
61	CELERY	0.71	0.32	
62	FRESH GREEN VEGETABLES	1.43	0.64	

63	CRUSHED WEEDS	4.29	2.82	
64	CRUSHED GRASS	5.71	3.83	
65	HERBAL, GREEN, CUT GRASS	17.14	12.12	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	8.57	6.06	*
68	GRAINY (AS GRAIN)	2.14	0.96	
69	YEASTY	0.71	0.32	
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.14	1.46	
73	BEERY	1.43	0.78	
74	SOAPY	5.00	3.05	
75	LEATHER	5.71	3.50	
76	CARDBOARD	0.71	0.32	
77	ROPE	0.00	0.00	
78	WET PAPER	1.43	0.64	
79	WET WOOL, WET DOG	0.71	0.45	
80	DIRTY LINEN	0.71	0.32	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	7.86	4.74	*
83	RAW POTATO	0.71	0.32	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.57	2.26	
90	CORK	0.71	0.32	
91	BURNT, SMOKY	4.29	2.47	
92	FRESH TOBACCO SMOKE	2.86	1.92	
93	INCENSE	6.43	4.18	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.43	1.11	
100	CREOSOTE	3.57	2.58	
101	DISINFECTANT, CARBOLIC	7.14	4.74	*
102	MEDICINAL	9.29	6.31	*
103	CHEMICAL	14.29	9.79	**
104	BITTER	1.43	0.64	
105	SHARP, PUNGENT, ACID	10.00	6.32	*
106	SOUR, VINEGAR	2.14	1.11	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.43	0.64	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	1.43	1.01	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	1.43	0.64	
116	BURNT CANDLE	1.43	0.78	
117	KEROSENE	1.43	0.64	
118	OILY, FATTY	10.71	5.93	*
119	BUTTERY, FRESH BUTTER	3.57	1.89	
120	PAINT	7.14	4.74	*
121	VARNISH	5.00	2.67	
122	POPCORN	0.71	0.45	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.71	0.45	
125	SOUPY	1.43	0.64	
126	COOKED VEGETABLES	1.43	0.90	
127	RANCID	2.14	1.11	
128	SWEATY	4.29	2.71	
129	CHEESY	0.71	0.32	
130	HOUSEHOLD GAS	0.71	0.32	
131	SULFIDIC	2.14	1.11	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.86	1.69	
134	BLOOD, RAW MEAT	0.71	0.32	
135	ANIMAL	1.43	0.90	
136	SEWER	1.43	0.64	
137	PUTRID, FOUL, DECAYED	3.57	1.75	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	7.14	3.91	
141	DRY, POWDERY	7.86	5.19	*
142	CHALKY	1.43	0.64	
143	LIGHT	24.29	16.56	****
144	HEAVY	13.57	9.75	**
145	COOL, COOLING	12.14	8.12	**
146	WARM	20.71	14.08	***

TABLE 35—Cresol: m-Cresol

3-METHYL PHENOL

CHEM. ABSTR. REG. NO. 108-39-4
C7 H8 O1
MOL. WT. 108.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99

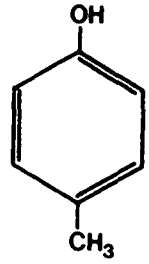
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.16	1.58	
6	PINEAPPLE	0.72	0.46	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.72	0.46	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.56	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.72	0.32	
14	FLORAL	4.32	2.84	
15	ROSE	0.72	0.32	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.72	0.46	
18	COLOGNE	0.72	0.46	
19	MUSK	7.91	4.27	*
20	PERFUMERY	4.32	2.36	
21	FRAGRANT	13.67	10.11	**
22	AROMATIC	30.94	23.11	*****
23	HONEY	0.72	0.46	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.16	1.47	
26	NAIL POLISH REMOVER	1.44	0.91	
27	NUTTY (WALNUT ETC)	5.76	3.75	
28	SPICY	4.32	2.36	
29	CLOVE	1.44	0.64	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	1.44	1.02	
34	BLACK PEPPER	1.44	0.64	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	5.04	3.19	
39	WOODY, RESINOUS	30.94	17.78	****
40	CEDARWOOD	5.04	2.95	
41	MOTHBALLS	7.19	3.94	
42	MINTY, PEPPERMINT	0.72	0.32	
43	CAMPHOR	10.79	6.71	*
44	EUCALIPTUS	5.04	2.95	
45	CHOCOLATE	0.72	0.32	
46	VANILLA	0.72	0.32	
47	SWEET	13.67	7.68	*
48	MAPLE SYRUP	0.72	0.32	
49	CARAMEL	2.16	1.25	
50	MALTY	3.60	2.03	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.72	0.32	
53	COCONUT	1.44	0.91	
54	ANISE (LICORICE)	0.72	0.32	
55	ALCOHOLIC	5.04	3.07	
56	ETHERISH, ANAESTHETIC	25.18	18.55	****
57	CLEANING FLUID	10.07	6.14	*
58	GASOLINE, SOLVENT	6.47	3.74	
59	TURPENTINE (PINE OIL)	6.47	3.98	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.44	0.79	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	6.47	3.48	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.88	1.70	
68	GRAINY (AS GRAIN)	1.44	0.79	
69	YEASTY	5.04	2.69	
70	BAKERY (FRESH BREAD)	0.72	0.72	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.72	0.46	
73	BEERY	0.00	0.00	
74	SOAPY	8.63	4.86	*
75	LEATHER	15.11	10.21	**
76	CARDBOARD	2.16	1.25	
77	ROPE	0.72	0.46	
78	WET PAPER	2.88	1.82	
79	WET WOOL, WET DOG	4.32	2.36	
80	DIRTY LINEN	0.72	0.64	
81	STALE	6.47	4.92	*
82	MUSTY, EARTHY, MOLDY	19.42	12.40	***
83	RAW POTATO	1.44	0.64	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	1.44	1.02	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.19	4.07	*
90	CORK	7.19	4.43	*
91	BURNT, SMOKY	34.53	24.42	******
92	FRESH TOBACCO SMOKE	1.44	0.79	
93	INCENSE	4.32	2.36	
94	COFFEE	0.72	0.32	
95	STALE TOBACCO SMOKE	3.60	1.76	
96	BURNT PAPER	5.04	2.95	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	5.04	3.90	
99	TAR	16.55	10.58	**
100	CREOSOTE	25.18	17.55	****
101	DISINFECTANT, CARBOLIC	39.57	29.71	*******
102	MEDICINAL	46.04	35.76	********
103	CHEMICAL	30.22	22.26	*****
104	BITTER	6.47	4.42	*
105	SHARP, PUNGENT, ACID	22.30	15.31	***
106	SOUR, VINEGAR	1.44	0.79	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.44	0.64	
109	URINE	2.16	1.67	
110	CAT URINE	0.72	0.64	
111	FISHY	1.44	0.79	
112	KIPPERY (SMOKED FISH)	5.76	3.52	
113	SEMINAL, SPERM-LIKE	0.72	0.32	
114	NEW RUBBER	10.79	7.48	*
115	SOOTY	5.76	3.15	
116	BURNT CANDLE	2.88	1.44	
117	KEROSENE	5.04	2.95	
118	OILY, FATTY	10.07	6.14	*
119	BUTTERY, FRESH BUTTER	1.44	0.79	
120	PAINT	9.35	6.35	*
121	VARNISH	3.60	2.16	
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.72	0.46	
124	MEATY (COOKED, GOOD)	5.04	3.19	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.72	0.56	
127	RANCID	7.91	4.53	*
128	SWEATY	14.39	9.97	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.44	0.91	
131	SULFIDIC	5.04	3.30	
132	GARLIC, ONION	0.72	0.56	
133	METALLIC	5.04	3.81	
134	BLOOD, RAW MEAT	3.60	1.90	
135	ANIMAL	5.04	3.71	
136	SEWER	1.44	0.91	
137	PUTRID, FOUL, DECAYED	2.88	2.03	
138	FECAL (LIKE MANURE)	4.32	3.05	
139	CADAVEROUS (DEAD ANIMAL)	2.16	1.37	
140	SICKENING	14.39	9.65	**
141	DRY, POWDERY	12.95	7.35	*
142	CHALKY	0.00	0.00	
143	LIGHT	12.23	8.49	**
144	HEAVY	24.46	18.48	****
145	COOL, COOLING	7.19	4.43	*
146	WARM	14.39	10.17	**

TABLE 36—Cresol: p-Cresol

4-METHYL PHENOL



CHEM. ABSTR. REG. NO. 106-44-5
C7 H8 O1
MOL. WT. 108.1

CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	132
PERCENT WHO DETECTED ODOR.....	94

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

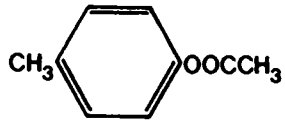
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.76	0.48	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.76	0.34	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.27	1.44	
15	ROSE	0.76	0.48	
16	VIOLETS	0.76	0.59	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	4.55	2.99	
20	PERFUMERY	4.55	2.49	
21	FRAGRANT	16.67	10.05	**
22	AROMATIC	17.42	12.16	***
23	HONEY	0.76	0.34	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.55	2.62	
26	NAIL POLISH REMOVER	1.52	0.83	
27	NUTTY (WALNUT ETC)	1.52	0.68	
28	SPICY	3.79	2.00	
29	CLOVE	0.76	0.34	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.76	0.68	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.52	0.83	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.52	1.36	
39	WOODY, RESINOUS	22.73	15.75	***
40	CEDARWOOD	3.79	2.51	
41	MOTHBALLS	2.27	1.44	
42	MINTY, PEPPERMINT	0.76	0.59	
43	CAMPHOR	5.30	3.35	
44	EUCALIPTUS	0.76	0.34	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.76	0.34	
47	SWEET	13.64	7.74	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.76	0.48	
55	ALCOHOLIC	3.03	1.66	
56	ETHERISH, ANAESTHETIC	10.61	6.59	*
57	CLEANING FLUID	8.33	5.03	*
58	GASOLINE, SOLVENT	3.79	2.73	
59	TURPENTINE (PINE OIL)	4.55	2.75	
60	GERANIUM LEAVES	1.52	1.27	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.52	1.17	
64	CRUSHED GRASS	0.76	0.59	
65	HERBAL, GREEN, CUT GRASS	3.03	1.92	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.27	1.44	
68	GRAINY (AS GRAIN)	0.76	0.48	
69	YEASTY	0.76	0.48	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.76	0.34	
73	BEERY	0.00	0.00	
74	SOAPY	4.55	2.99	
75	LEATHER	6.82	4.55	*
76	CARDBOARD	4.55	2.99	
77	ROPE	2.27	1.86	
78	WET PAPER	2.27	1.66	
79	WET WOOL, WET DOG	2.27	1.55	
80	DIRTY LINEN	0.00	0.00	
81	STALE	5.30	3.35	
82	MUSTY, EARTHY, MOLDY	12.88	8.26	**
83	RAW POTATO	1.52	0.96	
84	MOUSE	3.79	2.62	
85	MUSHROOM	0.76	0.48	
86	PEANUT BUTTER	1.52	0.96	
87	BEANY	1.52	0.96	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.30	3.91	
90	CORK	2.27	1.31	
91	BURNT, SMOKY	15.15	10.82	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.30	3.47	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.76	0.34	
97	BURNT MILK	0.76	0.48	
98	BURNT RUBBER	3.03	2.03	
99	TAR	6.82	4.07	*
100	CREOSOTE	6.06	3.95	
101	DISINFECTANT, CARBOLIC	18.94	14.57	***
102	MEDICINAL	27.27	21.32	*****
103	CHEMICAL	21.97	15.91	***
104	BITTER	4.55	2.87	
105	SHARP, PUNGENT, ACID	7.58	5.57	*
106	SOUR, VINEGAR	6.06	4.07	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.03	1.92	
109	URINE	5.30	4.11	*
110	CAT URINE	0.76	0.34	
111	FISHY	1.52	1.07	
112	KIPPERY (SMOKED FISH)	0.76	0.68	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	9.09	5.75	*
115	SOOTY	3.03	1.66	
116	BURNT CANDLE	0.76	0.34	
117	KEROSENE	2.27	1.66	
118	OILY, FATTY	10.61	6.34	*
119	BUTTERY, FRESH BUTTER	0.76	0.48	
120	PAINT	9.09	6.53	*
121	VARNISH	3.03	2.03	
122	POPCORN	0.76	0.48	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.52	1.07	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.76	0.68	
127	RANCID	5.30	3.59	
128	SWEATY	12.12	7.55	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.76	0.34	
131	SULFIDIC	3.03	1.92	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	9.09	6.10	*
134	BLOOD, RAW MEAT	4.55	2.87	
135	ANIMAL	9.09	6.64	*
136	SEWER	5.30	3.23	
137	PUTRID, FOUL, DECAYED	7.58	5.36	*
138	FECAL (LIKE MANURE)	14.39	11.25	**
139	CADAVEROUS (DEAD ANIMAL)	4.55	2.75	
140	SICKENING	10.61	8.12	**
141	DRY, POWDERY	6.06	3.71	
142	CHALKY	0.76	0.34	
143	LIGHT	16.67	10.78	**
144	HEAVY	18.18	13.07	***
145	COOL, COOLING	5.30	3.35	
146	WARM	9.85	7.02	*

TABLE 37—Cresyl Acetate: p-Cresyl Acetate

PHENOL, 4-METHYL, ACETATE
4-METHYL PHENOL ACETATE
ACETIC ACID, P-TOLYL ESTER

CHEM. ABSTR. REG. NO. 140-39-6
C9 H10 O2
MOL. WT. 150.2



CONCENTRATION, ML/LITER.....	10
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

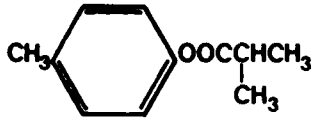
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.60	2.39	
2	LEMON	1.44	0.64	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.16	1.58	
5	FRUITY, OTHER THAN CITRUS	7.91	5.23	*
6	PINEAPPLE	1.44	0.91	
7	GRAPE JUICE	2.16	1.11	
8	STRAWBERRY	2.16	1.37	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.44	0.79	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.64	
12	PEACH (FRUIT)	1.44	1.02	
13	BANANA	0.72	0.32	
14	FLORAL	11.51	7.28	*
15	ROSE	2.16	1.47	
16	VIOLETS	2.88	1.70	
17	LAVENDER	4.32	2.49	
18	COLOGNE	2.16	1.25	
19	MUSK	4.32	2.23	
20	PERFUMERY	15.11	9.21	**
21	FRAGRANT	33.09	24.49	******
22	AROMATIC	37.41	27.16	******
23	HONEY	5.04	2.41	
24	CHERRY (BERRY)	4.32	2.95	
25	ALMOND	7.19	4.07	*
26	NAIL POLISH REMOVER	3.60	1.61	
27	NUTTY (WALNUT ETC)	2.88	1.44	
28	SPICY	17.27	11.26	**
29	CLOVE	3.60	1.61	
30	CINNAMON	4.32	2.73	
31	LAUREL LEAVES	0.72	0.32	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.44	0.91	
37	CARAWAY	5.04	2.82	
38	OAK WOOD, COGNAC	4.32	2.23	
39	WOODY, RESINOUS	28.78	19.41	****
40	CEDARWOOD	8.63	5.79	*
41	MOTHBALLS	3.60	2.03	
42	MINTY, PEPPERMINT	19.42	11.94	**
43	CAMPHOR	7.91	4.13	*
44	EUCALIPTUS	4.32	3.05	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.88	1.58	
47	SWEET	35.25	24.26	******
48	MAPLE SYRUP	1.44	0.64	
49	CARAMEL	1.44	0.91	
50	MALTY	1.44	0.79	
51	RAISINS	1.44	0.79	
52	MOLASSES	0.72	0.32	
53	COCONUT	0.72	0.32	
54	ANISE (LICORICE)	41.73	32.78	********
55	ALCOHOLIC	2.88	1.58	
56	ETHERISH, ANAESTHETIC	15.11	8.72	**
57	CLEANING FLUID	6.47	3.34	
58	GASOLINE, SOLVENT	5.76	3.97	
59	TURPENTINE (PINE OIL)	11.51	7.05	*
60	GERANIUM LEAVES	2.16	1.11	
61	CELERY	1.44	0.64	
62	FRESH GREEN VEGETABLES	0.72	0.46	

63	CRUSHED WEEDS	1.44	0.79	
64	CRUSHED GRASS	2.16	1.25	
65	HERBAL, GREEN, CUT GRASS	16.55	11.02	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.88	1.82	
68	GRAINY (AS GRAIN)	0.72	0.46	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.72	0.46	
72	FERMENTED (ROTTEN) FRUIT	1.44	1.11	
73	BEERY	0.72	0.56	
74	SOAPY	4.32	2.61	
75	LEATHER	6.47	3.86	
76	CARDBOARD	2.88	1.44	
77	ROPE	0.00	0.00	
78	WET PAPER	2.88	1.29	
79	WET WOOL, WET DOG	2.88	1.93	
80	DIRTY LINEN	2.16	1.11	
81	STALE	5.04	3.30	
82	MUSTY, EARTHY, MOLDY	10.07	6.48	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	2.16	1.67	
85	MUSHROOM	0.72	0.64	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.72	0.56	
89	BARK, BIRCH BARK	5.76	3.75	
90	CORK	1.44	0.91	
91	BURNT, SMOKY	9.35	5.92	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.88	1.58	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.16	1.58	
96	BURNT PAPER	1.44	1.20	
97	BURNT MILK	0.72	0.32	
98	BURNT RUBBER	5.76	4.36	*
99	TAR	6.47	3.61	
100	CREOSOTE	3.60	1.90	
101	DISINFECTANT, CARBOLIC	12.23	7.85	*
102	MEDICINAL	20.86	13.31	***
103	CHEMICAL	17.27	10.92	**
104	BITTER	3.60	2.49	
105	SHARP, PUNGENT, ACID	12.95	8.19	**
106	SOUR, VINEGAR	7.19	4.88	*
107	SAUERKRAUT	1.44	0.79	
108	AMMONIA	1.44	1.02	
109	URINE	5.04	3.40	
110	CAT URINE	2.16	1.76	
111	FISHY	1.44	1.29	
112	KIPPERY (SMOKED FISH)	1.44	1.11	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	6.47	4.63	*
115	SOOTY	2.16	1.11	
116	BURNT CANDLE	4.32	2.36	
117	KEROSENE	2.16	0.97	
118	OILY, FATTY	4.32	2.61	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	7.19	5.19	*
121	VARNISH	9.35	5.92	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.72	0.64	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	2.16	1.11	
127	RANCID	10.07	7.02	*
128	SWEATY	7.19	5.09	*
129	CHEESY	5.04	2.82	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	3.60	2.16	
132	GARLIC, ONION	0.72	0.64	
133	METALLIC	8.63	5.23	*
134	BLOOD, RAW MEAT	1.44	1.02	
135	ANIMAL	9.35	6.96	*
136	SEWER	2.88	1.93	
137	PUTRID, FOUL, DECAYED	10.79	7.16	*
138	FECAL (LIKE MANURE)	9.35	7.52	*
139	CADAVEROUS (DEAD ANIMAL)	1.44	0.79	
140	SICKENING	10.79	7.78	*
141	DRY, POWDERY	5.04	2.69	
142	CHALKY	2.88	2.03	
143	LIGHT	19.42	13.27	***
144	HEAVY	17.99	14.30	***
145	COOL, COOLING	16.55	10.69	**
146	WARM	12.23	9.38	**

TABLE 38—Cresyl Butyrate: p-Cresyl-iso-Butyrate

ISO-BUTYRIC ACID, P-TOLYL ESTER
PROPANOIC ACID, 4-METHYLPHENYL ESTER

CHEM. ABSTR. REG. NO. 103-93-5
C11 H14 O2
MOL. WT. 178.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	126
NUMBER WHO DETECTED ODOR.....	126
PERCENT WHO DETECTED ODOR.....	100

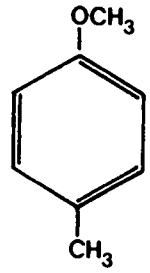
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.59	0.87	
2	LEMON	0.79	0.35	
3	GRAPEFRUIT	0.79	0.35	
4	ORANGE	0.79	0.35	
5	FRUITY, OTHER THAN CITRUS	6.35	4.26	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.79	0.50	
14	FLORAL	2.38	1.37	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	1.59	1.00	
18	COLOGNE	3.17	1.88	
19	MUSK	3.17	1.74	
20	PERFUMERY	4.76	2.61	
21	FRAGRANT	15.87	11.11	**
22	AROMATIC	19.84	13.40	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	1.59	0.87	
26	NAIL POLISH REMOVER	1.59	0.71	
27	NUTTY (WALNUT ETC)	0.79	0.50	
28	SPICY	4.76	2.61	
29	CLOVE	1.59	1.00	
30	CINNAMON	0.79	0.35	
31	LAUREL LEAVES	0.79	0.50	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.79	0.50	
36	DILL	0.79	0.61	
37	CARAWAY	3.17	2.24	
38	OAK WOOD, COGNAC	3.17	2.13	
39	WOODY, RESINOUS	17.46	11.53	**
40	CEDARWOOD	2.38	1.51	
41	MOTHBALLS	3.17	1.88	
42	MINTY, PEPPERMINT	7.14	4.26	*
43	CAMPHOR	9.52	6.73	*
44	EUCALIPTUS	5.56	4.30	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.59	0.71	
47	SWEET	20.63	13.18	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.59	0.87	
51	RAISINS	0.79	0.35	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.79	0.35	
54	ANISE (LICORICE)	18.25	13.07	***
55	ALCOHOLIC	2.38	1.84	
56	ETHERISH, ANAESTHETIC	19.05	13.47	***
57	CLEANING FLUID	3.17	2.24	
58	GASOLINE, SOLVENT	8.73	5.89	*
59	TURPENTINE (PINE OIL)	3.17	2.46	
60	GERANIUM LEAVES	1.59	0.71	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.79	0.35	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.79	0.50	
65	HERBAL, GREEN, CUT GRASS	4.76	2.30	
66	RAW CUCUMBER	0.79	0.35	
67	HAY	1.59	1.12	
68	GRAINY (AS GRAIN)	0.79	0.61	
69	YEASTY	1.59	1.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.79	0.35	
72	FERMENTED (ROTTEN) FRUIT	0.79	0.35	
73	BEERY	1.59	0.71	
74	SOAPY	3.17	2.13	
75	LEATHER	9.52	6.96	*
76	CARDBOARD	7.14	3.98	
77	ROPE	2.38	1.23	
78	WET PAPER	1.59	0.71	
79	WET WOOL, WET DOG	3.17	2.46	
80	DIRTY LINEN	3.17	2.01	
81	STALE	5.56	3.51	
82	MUSTY, EARTHY, MOLDY	11.11	6.90	*
83	RAW POTATO	0.79	0.50	
84	MOUSE	0.79	0.50	
85	MUSHROOM	1.59	0.87	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.79	0.50	
89	BARK, BIRCH BARK	4.76	2.46	
90	CORK	2.38	1.74	
91	BURNT, SMOKY	8.73	5.65	*
92	FRESH TOBACCO SMOKE	0.79	0.71	
93	INCENSE	3.17	1.74	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	4.76	3.37	
99	TAR	9.52	6.15	*
100	CREOSOTE	5.56	4.09	*
101	DISINFECTANT, CARBOLIC	18.25	12.27	***
102	MEDICINAL	34.13	25.39	******
103	CHEMICAL	24.60	17.11	****
104	BITTER	4.76	3.25	
105	SHARP, PUNGENT, ACID	19.84	14.20	***
106	SOUR, VINEGAR	9.52	5.90	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.59	0.71	
109	URINE	3.17	2.24	
110	CAT URINE	3.97	2.63	
111	FISHY	0.79	0.50	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	11.11	7.51	*
115	SOOTY	1.59	1.00	
116	BURNT CANDLE	1.59	1.33	
117	KEROSENE	1.59	0.87	
118	OILY, FATTY	8.73	4.99	*
119	BUTTERY, FRESH BUTTER	1.59	1.12	
120	PAINT	7.94	5.02	*
121	VARNISH	4.76	3.13	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.59	1.12	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	4.76	3.13	
128	SWEATY	19.05	13.13	***
129	CHEESY	3.17	2.24	
130	HOUSEHOLD GAS	0.79	0.50	
131	SULFIDIC	6.35	4.49	*
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	6.35	3.76	
134	BLOOD, RAW MEAT	1.59	1.00	
135	ANIMAL	7.14	5.11	*
136	SEWER	3.17	2.01	
137	PUTRID, FOUL, DECAYED	9.52	6.02	*
138	FECAL (LIKE MANURE)	6.35	5.68	*
139	CADAVEROUS (DEAD ANIMAL)	2.38	1.37	
140	SICKENING	19.05	14.55	***
141	DRY, POWDERY	3.97	2.24	
142	CHALKY	0.79	0.50	
143	LIGHT	14.29	9.16	**
144	HEAVY	19.84	14.74	***
145	COOL, COOLING	11.90	7.27	*
146	WARM	8.73	6.23	

TABLE 39—Cresyl Methyl Ether: p-Cresyl Methyl Ether

P-METHYL ANISOLE
4-METHYL ANISOLE



CHEM. ABSTR. REG. NO. 104-93-8
C8 H10 O1
MOL. WT. 122.2

CONCENTRATION, ML/LITER..... 25
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

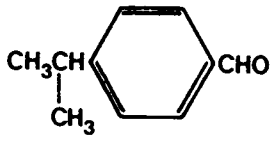
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.68	1.00	
2	LEMON	1.01	0.64	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.34	0.21	
5	FRUITY, OTHER THAN CITRUS	6.73	4.04	*
6	PINEAPPLE	0.34	0.21	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.01	0.45	
9	APPLE (FRUIT)	0.34	0.15	
10	PEAR	2.02	1.11	
11	CANTALOUPE, HONEY DEW MELON	1.35	0.60	
12	PEACH (FRUIT)	1.68	0.89	
13	BANANA	2.70	1.59	
14	FLORAL	10.77	7.08	*
15	ROSE	2.36	1.37	
16	VIOLETS	3.37	1.96	
17	LAVENDER	2.70	1.64	
18	COLOGNE	2.69	1.79	
19	MUSK	9.42	5.90	*
20	PERFUMERY	13.47	8.72	**
21	FRAGRANT	39.39	27.49	******
22	AROMATIC	41.42	30.46	*******
23	HONEY	5.05	2.91	
24	CHERRY (BERRY)	2.69	1.86	
25	ALMOND	18.52	11.32	**
26	NAIL POLISH REMOVER	4.71	2.70	
27	NUTTY (WALNUT ETC)	3.37	1.84	
28	SPICY	14.14	8.45	**
29	CLOVE	3.70	1.93	
30	CINNAMON	4.04	2.15	
31	LAUREL LEAVES	0.34	0.15	
32	TEA LEAVES	2.02	1.22	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.01	0.52	
35	GREEN PEPPER	0.34	0.21	
36	DILL	2.02	1.22	
37	CARAWAY	2.02	1.21	
38	OAK WOOD, COGNAC	6.40	3.59	
39	WOODY, RESINOUS	38.04	25.40	******
40	CEDARWOOD	15.83	9.68	**
41	MOTHBALLS	20.54	13.46	***
42	MINTY, PEPPERMINT	12.12	7.66	*
43	CAMPHOR	25.25	16.44	****
44	EUCALIPTUS	12.46	7.15	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	4.71	3.03	
47	SWEET	25.26	17.55	****
48	MAPLE SYRUP	2.69	1.53	
49	CARAMEL	2.02	1.30	
50	MALTY	2.69	1.47	
51	RAISINS	1.35	0.85	
52	MOLASSES	1.68	0.93	
53	COCONUT	0.67	0.37	
54	ANISE (LICORICE)	14.48	8.80	**
55	ALCOHOLIC	8.08	4.42	*
56	ETHERISH, ANAESTHETIC	28.27	18.13	****
57	CLEANING FLUID	12.79	8.60	**
58	GASOLINE, SOLVENT	13.80	8.00	*
59	TURPENTINE (PINE OIL)	24.25	14.57	***
60	GERANIUM LEAVES	2.02	1.03	
61	CELERY	1.01	0.67	
62	FRESH GREEN VEGETABLES	0.67	0.30	

63	CRUSHED WEEDS	1.68	0.75	
64	CRUSHED GRASS	2.70	1.60	
65	HERBAL, GREEN, CUT GRASS	14.82	9.47	**
66	RAW CUCUMBER	0.67	0.30	
67	HAY	3.71	2.18	
68	GRAINY (AS GRAIN)	0.67	0.30	
69	YEASTY	1.34	0.67	
70	BAKERY (FRESH BREAD)	0.34	0.21	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.02	1.16	
73	BEERY	1.01	0.45	
74	SOAPY	3.36	2.18	
75	LEATHER	7.75	4.68	*
76	CARDBOARD	5.06	2.92	
77	ROPE	1.01	0.64	
78	WET PAPER	5.05	2.77	
79	WET WOOL, WET DOG	3.37	1.88	
80	DIRTY LINEN	2.69	1.74	
81	STALE	4.71	2.97	
82	MUSTY, EARTHY, MOLDY	21.54	13.12	***
83	RAW POTATO	0.67	0.42	
84	MOUSE	1.01	0.45	
85	MUSHROOM	0.34	0.15	
86	PEANUT BUTTER	0.34	0.21	
87	BEANY	0.34	0.21	
88	EGGY (FRESH EGGS)	0.34	0.21	
89	BARK, BIRCH BARK	8.75	4.82	*
90	CORK	4.37	2.65	
91	BURNT, SMOKY	14.81	8.70	**
92	FRESH TOBACCO SMOKE	1.01	0.52	
93	INCENSE	8.75	5.36	*
94	COFFEE	0.34	0.21	
95	STALE TOBACCO SMOKE	3.03	1.69	
96	BURNT PAPER	3.36	1.72	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.35	1.43	
99	TAR	13.81	8.29	**
100	CREOSOTE	14.82	9.09	**
101	DISINFECTANT, CARBOLIC	22.56	15.29	***
102	MEDICINAL	30.32	18.47	****
103	CHEMICAL	28.62	20.46	*****
104	BITTER	5.73	3.40	
105	SHARP, PUNGENT, ACID	19.86	13.23	***
106	SOUR, VINEGAR	6.40	3.53	
107	SAUERKRAUT	0.34	0.15	
108	AMMONIA	5.72	3.49	
109	URINE	11.11	7.93	*
110	CAT URINE	3.03	2.16	
111	FISHY	1.35	0.84	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.68	0.37	
114	NEW RUBBER	5.38	3.50	
115	SOOTY	1.01	0.52	
116	BURNT CANDLE	2.35	1.59	
117	KEROSENE	6.73	3.93	
118	OILY, FATTY	14.15	8.84	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	20.88	13.75	***
121	VARNISH	16.16	9.78	**
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.67	0.43	
125	SOUPY	0.34	0.15	
126	COOKED VEGETABLES	0.68	0.48	
127	RANCID	9.09	5.53	*
128	SWEATY	15.15	9.36	**
129	CHEESY	2.02	1.21	
130	HOUSEHOLD GAS	2.02	1.10	
131	SULFIDIC	3.70	1.97	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	5.38	3.23	
134	BLOOD, RAW MEAT	1.68	0.75	
135	ANIMAL	4.04	2.99	
136	SEWER	3.37	2.01	
137	PUTRID, FOUL, DECAYED	7.07	4.36	*
138	FECAL (LIKE MANURE)	7.08	5.12	*
139	CADAVEROUS (DEAD ANIMAL)	1.68	0.82	
140	SICKENING	18.18	12.24	***
141	DRY, POWDERY	9.42	5.46	*
142	CHALKY	0.67	0.42	
143	LIGHT	17.85	11.55	**
144	HEAVY	31.65	23.22	*****
145	COOL, COOLING	16.16	10.37	**
146	WARM	15.15	11.01	**

TABLE 40—Cuminic Aldehyde

BENZALDEHYDE, 4-(1-METHYL ETHYL)
BENZALDEHYDE, P-ISOPROPYL
CUMINALDEHYDE
CUMINYL ALDEHYDE

CHEM. ABSTR. REG. NO. 122-03-2
C10 H12 O1
MOL. WT. 148.1



CONCENTRATION, ML/LITER..... 60
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

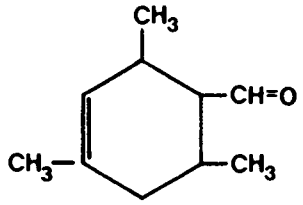
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	10.71	8.39	**
2	LEMON	16.43	11.87	**
3	GRAPEFRUIT	2.14	1.11	
4	ORANGE	5.00	3.48	
5	FRUITY, OTHER THAN CITRUS	7.14	3.91	
6	PINEAPPLE	1.43	0.64	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	2.14	0.96	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.14	1.36	
11	CANTALOUPE, HONEY DEW MELON	1.43	0.78	
12	PEACH (FRUIT)	2.14	0.96	
13	BANANA	1.43	0.78	
14	FLORAL	8.57	5.19	*
15	ROSE	2.14	0.96	
16	VIOLETS	0.71	0.32	
17	LAVENDER	3.57	2.14	
18	COLOGNE	5.00	2.54	
19	MUSK	7.14	4.40	*
20	PERFUMERY	10.71	7.32	*
21	FRAGRANT	32.86	22.93	*****
22	AROMATIC	37.14	27.35	******
23	HONEY	2.14	1.11	
24	CHERRY (BERRY)	3.57	2.26	
25	ALMOND	17.14	11.07	**
26	NAIL POLISH REMOVER	0.71	0.45	
27	NUTTY (WALNUT ETC)	3.57	2.67	
28	SPICY	23.57	16.82	****
29	CLOVE	7.14	3.91	
30	CINNAMON	7.14	4.16	*
31	LAUREL LEAVES	2.14	1.24	
32	TEA LEAVES	5.00	3.48	
33	SEASONING (FOR MEAT)	5.71	4.14	*
34	BLACK PEPPER	7.86	6.44	*
35	GREEN PEPPER	1.43	0.78	
36	DILL	8.57	5.53	*
37	CARAWAY	10.00	7.46	*
38	OAK WOOD, COGNAC	4.29	2.47	
39	WOODY, RESINOUS	27.14	17.17	****
40	CEDARWOOD	8.57	5.19	*
41	MOTHBALLS	2.14	1.24	
42	MINTY, PEPPERMINT	14.29	8.08	**
43	CAMPHOR	7.86	5.30	*
44	EUCALIPTUS	6.43	3.83	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	24.29	15.69	***
48	MAPLE SYRUP	1.43	0.90	
49	CARAMEL	1.43	0.64	
50	MALTY	0.71	0.32	
51	RAISINS	0.71	0.32	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.71	0.32	
54	ANISE (LICORICE)	5.71	3.00	
55	ALCOHOLIC	6.43	3.46	
56	ETHERISH, ANAESTHETIC	15.71	9.59	**
57	CLEANING FLUID	9.29	5.98	*
58	GASOLINE, SOLVENT	10.00	9.71	**
59	TURPENTINE (PINE OIL)	14.29	7.82	*
60	GERANIUM LEAVES	2.14	1.46	
61	CELERY	1.43	0.78	
62	FRESH GREEN VEGETABLES	2.14	1.11	

63	CRUSHED WEEDS	6.43	3.32	
64	CRUSHED GRASS	5.00	2.93	
65	HERBAL, GREEN, CUT GRASS	22.14	14.12	***
66	RAW CUCUMBER	1.43	0.78	
67	HAY	0.71	0.32	
68	GRAINY (AS GRAIN)	1.43	0.90	
69	YEASTY	1.43	1.11	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.71	0.32	
72	FERMENTED (ROTTEN) FRUIT	2.14	1.46	
73	BEERY	0.00	0.00	
74	SOAPY	12.14	7.09	*
75	LEATHER	3.57	1.75	
76	CARDBOARD	0.71	0.45	
77	ROPE	0.00	0.00	
78	WET PAPER	1.43	1.01	
79	WET WOOL, WET DOG	3.57	2.26	
80	DIRTY LINEN	0.00	0.00	
81	STALE	7.86	5.40	*
82	MUSTY, EARTHY, MOLDY	16.43	10.39	**
83	RAW POTATO	1.43	1.01	
84	MOUSE	2.14	1.24	
85	MUSHROOM	2.14	0.96	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.43	1.01	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.86	1.81	
90	CORK	4.29	2.21	
91	BURNT, SMOKY	7.86	4.86	*
92	FRESH TOBACCO SMOKE	0.71	0.45	
93	INCENSE	6.43	3.59	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.71	0.32	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	5.71	2.86	
100	CREOSOTE	3.57	2.77	
101	DISINFECTANT, CARBOLIC	9.29	5.87	*
102	MEDICINAL	12.86	7.79	*
103	CHEMICAL	18.57	12.51	***
104	BITTER	10.71	7.11	*
105	SHARP, PUNGENT, ACID	35.71	24.95	******
106	SOUR, VINEGAR	17.86	11.95	**
107	SAUERKRAUT	1.43	0.90	
108	AMMONIA	2.86	2.02	
109	URINE	2.14	1.24	
110	CAT URINE	0.00	0.00	
111	FISHY	4.29	2.60	
112	KIPPERY (SMOKED FISH)	2.14	1.24	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	2.14	1.75	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.71	0.45	
117	KEROSENE	4.29	2.35	
118	OILY, FATTY	20.00	13.20	***
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	10.00	8.02	**
121	VARNISH	5.71	3.94	
122	POPCORN	0.71	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.14	1.46	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.43	0.78	
127	RANCID	10.00	7.17	*
128	SWEATY	11.43	7.88	*
129	CHEESY	10.00	7.46	*
130	HOUSEHOLD GAS	1.43	0.78	
131	SULFIDIC	2.86	2.02	
132	GARLIC, ONION	0.71	0.32	
133	METALLIC	6.43	4.39	*
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.71	0.64	
136	SEWER	0.71	0.32	
137	PUTRID, FOUL, DECAYED	6.43	4.79	*
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.71	0.55	
140	SICKENING	20.00	14.44	***
141	DRY, POWDERY	12.14	7.09	*
142	CHALKY	2.14	1.24	
143	LIGHT	16.43	10.61	**
144	HEAVY	24.29	18.06	****
145	COOL, COOLING	14.29	9.37	**
146	WARM	17.86	12.06	***

TABLE 41—Cyclocitral: iso-Cyclocitral

3-CYCLOHEXENE-1-CARBOXALDEHYDE, 2,4,6-TRIMETHYL
CYCLOCITRAL, ISO

CHEM. ABSTR. REG. NO. 1423-46-7
C10 H16 O1
MOL. WT. 152.1



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 117
NUMBER WHO DETECTED ODOR..... 117
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

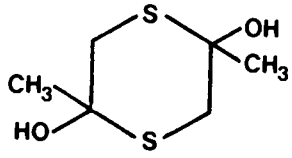
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.56	1.99	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.85	0.76	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	4.27	2.70	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.85	0.38	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.71	1.21	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	1.71	0.94	
14	FLORAL	25.64	19.30	****
15	ROSE	12.82	10.68	**
16	VIOLETS	5.13	4.29	*
17	LAVENDER	4.27	3.52	
18	COLOGNE	2.56	1.62	
19	MUSK	3.42	1.87	
20	PERFUMERY	10.26	6.88	*
21	FRAGRANT	24.79	18.75	****
22	AROMATIC	23.08	17.09	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.85	0.38	
26	NAIL POLISH REMOVER	1.71	0.94	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	0.85	0.38	
29	CLOVE	1.71	1.21	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	3.42	2.16	
32	TEA LEAVES	3.42	2.02	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.85	0.54	
35	GREEN PEPPER	5.98	3.35	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.27	3.08	
39	WOODY, RESINOUS	31.62	23.71	*****
40	CEDARWOOD	2.56	1.75	
41	MOTHBALLS	3.42	2.16	
42	MINTY, PEPPERMINT	5.13	3.38	
43	CAMPHOR	7.69	5.38	*
44	EUCALIPTUS	5.13	3.50	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	13.68	9.05	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.85	0.54	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.27	2.70	
56	ETHERISH, ANAESTHETIC	7.69	5.38	*
57	CLEANING FLUID	5.98	4.29	*
58	GASOLINE, SOLVENT	8.55	5.92	*
59	TURPENTINE (PINE OIL)	14.53	11.14	**
60	GERANIUM LEAVES	13.68	10.14	**
61	CELERY	4.27	2.83	
62	FRESH GREEN VEGETABLES	10.26	7.61	*

63	CRUSHED WEEDS	19.66	14.67	***
64	CRUSHED GRASS	20.51	16.32	****
65	HERBAL, GREEN, CUT GRASS	46.15	37.05	*********
66	RAW CUCUMBER	2.56	1.62	
67	HAY	5.98	4.05	*
68	GRAINY (AS GRAIN)	2.56	1.32	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.85	0.85	
73	BEERY	0.85	0.38	
74	SOAPY	0.85	0.66	
75	LEATHER	0.85	0.38	
76	CARDBOARD	1.71	0.94	
77	ROPE	0.00	0.00	
78	WET PAPER	2.56	2.09	
79	WET WOOL, WET DOG	1.71	1.08	
80	DIRTY LINEN	2.56	1.48	
81	STALE	8.55	6.51	*
82	MUSTY, EARTHY, MOLDY	43.59	36.52	*********
83	RAW POTATO	4.27	2.56	
84	MOUSE	0.00	0.00	
85	MUSHROOM	1.71	1.21	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.71	1.08	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.98	4.63	*
90	CORK	1.71	1.32	
91	BURNT, SMOKY	2.56	1.62	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	3.42	2.16	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.85	0.54	
96	BURNT PAPER	0.85	0.54	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.85	0.38	
100	CREOSOTE	0.85	0.54	
101	DISINFECTANT, CARBOLIC	5.98	3.78	
102	MEDICINAL	7.69	4.87	*
103	CHEMICAL	13.68	10.92	**
104	BITTER	1.71	1.21	
105	SHARP, PUNGENT, ACID	15.38	11.81	**
106	SOUR, VINEGAR	2.56	1.32	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.85	0.54	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.85	0.38	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	3.42	2.29	
118	OILY, FATTY	5.98	3.50	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	6.84	5.62	*
121	VARNISH	2.56	1.99	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.85	0.38	
126	COOKED VEGETABLES	1.71	1.08	
127	RANCID	3.42	2.76	
128	SWEATY	4.27	2.70	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.85	0.54	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.42	2.42	
134	BLOOD, RAW MEAT	0.85	0.85	
135	ANIMAL	0.00	0.00	
136	SEWER	1.71	1.43	
137	PUTRID, FOUL, DECAYED	3.42	2.42	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	1.71	0.94	
140	SICKENING	13.68	10.70	**
141	DRY, POWDERY	6.84	4.19	*
142	CHALKY	0.00	0.00	
143	LIGHT	13.68	10.37	**
144	HEAVY	23.93	19.19	****
145	COOL, COOLING	15.38	12.97	***
146	WARM	4.27	3.52	

TABLE 42—Cyclodithalfarol

1,4-DITHIANE-2,5-DIOL, 2,5-DIMETHYL
P-DITHIANE-2,5-DIOL, 2,5-DIMETHYL
1,4-DITHIANE, 2,5-DIHYDROXY-2,5-DIMETHYL

CHEM. ABSTR. REG. NO. 55704-78-4
C6 H12 O2 S2
MOL. WT. 180.0



CONCENTRATION, G/LITER.....	20
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

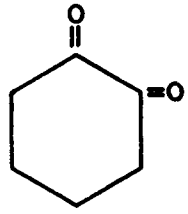
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS----------	0.71	0.55	
2	LEMON----------	0.71	0.55	
3	GRAPEFRUIT----------	0.71	0.55	
4	ORANGE----------	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS----------	0.00	0.00	
6	PINEAPPLE----------	0.00	0.00	
7	GRAPE JUICE----------	0.00	0.00	
8	STRAWBERRY----------	0.71	0.45	
9	APPLE (FRUIT)----------	2.14	1.11	
10	PEAR----------	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON--------	0.00	0.00	
12	PEACH (FRUIT)----------	0.00	0.00	
13	BANANA----------	0.00	0.00	
14	FLORAL----------	0.71	0.32	
15	ROSE----------	0.00	0.00	
16	VIOLETS----------	0.00	0.00	
17	LAVENDER----------	0.00	0.00	
18	COLOGNE----------	0.00	0.00	
19	MUSK----------	6.43	4.07	*
20	PERFUMERY----------	0.71	0.32	
21	FRAGRANT----------	5.71	4.52	*
22	AROMATIC----------	11.43	9.65	**
23	HONEY----------	0.00	0.00	
24	CHERRY (BERRY)----------	0.00	0.00	
25	ALMOND----------	1.43	0.64	
26	NAIL POLISH REMOVER----------	0.00	0.00	
27	NUTTY (WALNUT ETC)----------	1.43	0.64	
28	SPICY----------	7.14	5.05	*
29	CLOVE----------	1.43	0.90	
30	CINNAMON----------	0.00	0.00	
31	LAUREL LEAVES----------	0.00	0.00	
32	TEA LEAVES----------	0.00	0.00	
33	SEASONING (FOR MEAT)----------	10.71	7.42	*
34	BLACK PEPPER----------	3.57	1.89	
35	GREEN PEPPER----------	0.71	0.45	
36	DILL----------	2.14	1.24	
37	CARAWAY----------	0.00	0.00	
38	OAK WOOD, COGNAC----------	0.71	0.32	
39	WOODY, RESINOUS----------	7.86	4.62	*
40	CEDARWOOD----------	0.71	0.45	
41	MOTHBALLS----------	0.71	0.45	
42	MINTY, PEPPERMINT----------	0.00	0.00	
43	CAMPHOR----------	0.71	0.55	
44	EUCALIPTUS----------	0.71	0.32	
45	CHOCOLATE----------	0.00	0.00	
46	VANILLA----------	0.00	0.00	
47	SWEET----------	4.29	2.35	
48	MAPLE SYRUP----------	0.00	0.00	
49	CARAMEL----------	0.00	0.00	
50	MALTY----------	2.14	1.24	
51	RAISINS----------	0.00	0.00	
52	MOLASSES----------	0.71	0.45	
53	COCONUT----------	0.00	0.00	
54	ANISE (LICORICE)----------	0.00	0.00	
55	ALCOHOLIC----------	0.71	0.45	
56	ETHERISH, ANAESTHETIC----------	3.57	2.26	
57	CLEANING FLUID----------	1.43	1.01	
58	GASOLINE, SOLVENT----------	4.29	2.60	
59	TURPENTINE (PINE OIL)----------	0.00	0.00	
60	GERANIUM LEAVES----------	0.00	0.00	
61	CELERY----------	0.71	0.45	
62	FRESH GREEN VEGETABLES----------	1.43	0.90	

63	CRUSHED WEEDS	2.14	1.24	
64	CRUSHED GRASS	1.43	0.78	
65	HERBAL, GREEN, CUT GRASS	5.71	3.38	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	5.71	4.04	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	4.29	2.93	
73	BEERY	1.43	0.64	
74	SOAPY	0.00	0.00	
75	LEATHER	1.43	0.64	
76	CARDBOARD	0.00	0.00	
77	ROPE	5.00	3.16	
78	WET PAPER	0.71	0.32	
79	WET WOOL, WET DOG	9.29	5.76	*
80	DIRTY LINEN	6.43	3.83	
81	STALE	9.29	6.31	*
82	MUSTY, EARTHY, MOLDY	18.57	12.30	***
83	RAW POTATO	0.00	0.00	
84	MOUSE	2.86	2.02	
85	MUSHROOM	2.14	1.36	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.71	0.55	
88	EGGY (FRESH EGGS)	2.86	1.69	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	1.43	0.78	
91	BURNT, SMOKY	26.43	19.14	****
92	FRESH TOBACCO SMOKE	0.71	0.64	
93	INCENSE	0.00	0.00	
94	COFFEE	1.43	0.64	
95	STALE TOBACCO SMOKE	5.00	3.16	
96	BURNT PAPER	8.57	4.95	*
97	BURNT MILK	0.71	0.32	
98	BURNT RUBBER	19.29	15.92	***
99	TAR	8.57	6.06	*
100	CREOSOTE	4.29	2.71	
101	DISINFECTANT, CARBOLIC	5.00	3.87	
102	MEDICINAL	1.43	0.64	
103	CHEMICAL	15.71	12.26	***
104	BITTER	7.86	5.51	*
105	SHARP, PUNGENT, ACID	28.57	21.67	*****
106	SOUR, VINEGAR	20.00	13.09	***
107	SAUERKRAUT	4.29	2.60	
108	AMMONIA	7.14	3.78	
109	URINE	6.43	4.18	*
110	CAT URINE	4.29	2.60	
111	FISHY	4.29	2.47	
112	KIPPERY (SMOKED FISH)	2.86	1.92	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	3.57	2.37	
115	SOOTY	3.57	2.26	
116	BURNT CANDLE	4.29	2.71	
117	KEROSENE	2.14	0.96	
118	OILY, FATTY	20.71	13.44	***
119	BUTTERY, FRESH BUTTER	0.71	0.55	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	1.43	0.78	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	14.29	10.69	**
125	SOUPY	2.14	1.11	
126	COOKED VEGETABLES	7.14	4.74	*
127	RANCID	27.14	19.89	****
128	SWEATY	27.14	18.26	****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	25.00	16.80	****
131	SULFIDIC	36.43	29.83	*******
132	GARLIC, ONION	46.43	38.72	*********
133	METALLIC	8.57	5.96	*
134	BLOOD, RAW MEAT	10.71	7.00	*
135	ANIMAL	9.29	6.91	*
136	SEWER	26.43	21.02	*****
137	PUTRID, FOUL, DECAYED	40.71	31.54	*******
138	FECAL (LIKE MANURE)	17.14	13.55	***
139	CADAVEROUS (DEAD ANIMAL)	15.00	11.05	**
140	SICKENING	66.43	55.62	**********
141	DRY, POWDERY	4.29	2.35	
142	CHALKY	0.71	0.32	
143	LIGHT	0.71	0.55	
144	HEAVY	41.43	34.49	********
145	COOL, COOLING	2.14	1.56	
146	WARM	11.43	7.67	*

TABLE 43—Cyclohexanedione: 1,2-Cyclohexanedione

CHEM. ABSTR. REG. NO. 765-87-7
C6 H8 O2
MOL. WT. 112.1



CONCENTRATION, ML/LITER..... 100
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

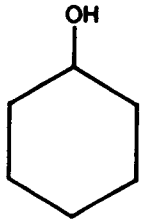
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.72	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.44	0.79	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.72	0.32	
10	PEAR	0.72	0.46	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	5.76	3.28	
20	PERFUMERY	1.44	1.29	
21	FRAGRANT	7.91	5.54	*
22	AROMATIC	17.27	13.09	***
23	HONEY	2.88	1.93	
24	CHERRY (BERRY)	1.44	0.91	
25	ALMOND	7.91	5.34	*
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	12.95	9.56	**
28	SPICY	9.35	6.56	*
29	CLOVE	0.72	0.46	
30	CINNAMON	1.44	0.79	
31	LAUREL LEAVES	0.72	0.46	
32	TEA LEAVES	1.44	0.79	
33	SEASONING (FOR MEAT)	7.91	5.75	*
34	BLACK PEPPER	2.88	2.03	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.72	0.32	
38	OAK WOOD, COGNAC	2.16	1.11	
39	WOODY, RESINOUS	23.74	14.79	***
40	CEDARWOOD	3.60	1.76	
41	MOTHBALLS	0.72	0.32	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	2.16	1.37	
44	EUCALIPTUS	0.72	0.46	
45	CHOCOLATE	0.72	0.46	
46	VANILLA	2.88	2.49	
47	SWEET	10.07	6.70	*
48	MAPLE SYRUP	8.63	6.00	*
49	CARAMEL	7.19	5.93	*
50	MALTY	5.04	3.51	
51	RAISINS	0.72	0.46	
52	MOLASSES	7.19	4.98	*
53	COCONUT	1.44	0.79	
54	ANISE (LICORICE)	2.88	2.03	
55	ALCOHOLIC	2.88	2.03	
56	ETHERISH, ANAESTHETIC	15.11	10.11	**
57	CLEANING FLUID	2.88	1.82	
58	GASOLINE, SOLVENT	3.60	2.16	
59	TURPENTINE (PINE OIL)	2.16	1.25	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	2.88	1.93	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	2.88	1.58	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.44	0.64	
68	GRAINY (AS GRAIN)	1.44	0.64	
69	YEASTY	7.19	4.77	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.72	0.56	
72	FERMENTED (ROTTEN) FRUIT	2.88	1.70	
73	BEERY	0.72	0.32	
74	SOAPY	0.00	0.00	
75	LEATHER	1.44	0.79	
76	CARDBOARD	4.32	2.73	
77	ROPE	2.16	1.25	
78	WET PAPER	1.44	0.64	
79	WET WOOL, WET DOG	2.16	0.97	
80	DIRTY LINEN	1.44	0.79	
81	STALE	8.63	6.10	*
82	MUSTY, EARTHY, MOLDY	14.39	9.44	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.72	0.32	
85	MUSHROOM	1.44	0.64	
86	PEANUT BUTTER	2.16	1.11	
87	BEANY	0.72	0.64	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.16	0.97	
90	CORK	2.16	1.37	
91	BURNT, SMOKY	48.20	39.33	*********
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.44	0.64	
94	COFFEE	4.32	2.84	
95	STALE TOBACCO SMOKE	7.91	5.23	*
96	BURNT PAPER	16.55	11.85	**
97	BURNT MILK	2.88	1.70	
98	BURNT RUBBER	12.23	8.90	**
99	TAR	18.71	12.71	***
100	CREOSOTE	8.63	5.46	*
101	DISINFECTANT, CARBOLIC	10.07	6.37	*
102	MEDICINAL	28.78	21.92	*****
103	CHEMICAL	17.27	12.71	***
104	BITTER	5.04	3.51	
105	SHARP, PUNGENT, ACID	25.18	17.02	****
106	SOUR, VINEGAR	4.32	2.73	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.16	1.37	
109	URINE	0.72	0.46	
110	CAT URINE	1.44	0.64	
111	FISHY	0.72	0.32	
112	KIPPERY (SMOKED FISH)	0.72	0.46	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	6.47	3.74	
115	SOOTY	5.04	3.30	
116	BURNT CANDLE	4.32	2.73	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	11.51	6.81	*
119	BUTTERY, FRESH BUTTER	1.44	0.91	
120	PAINT	2.16	0.97	
121	VARNISH	1.44	0.64	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	5.76	3.15	
125	SOUPY	0.72	0.32	
126	COOKED VEGETABLES	2.16	1.47	
127	RANCID	3.60	1.90	
128	SWEATY	5.76	3.86	
129	CHEESY	0.72	0.32	
130	HOUSEHOLD GAS	0.72	0.46	
131	SULFIDIC	8.63	4.86	*
132	GARLIC, ONION	2.16	1.25	
133	METALLIC	2.16	1.76	
134	BLOOD, RAW MEAT	1.44	0.64	
135	ANIMAL	1.44	0.91	
136	SEWER	3.60	2.03	
137	PUTRID, FOUL, DECAYED	5.04	3.81	
138	FECAL (LIKE MANURE)	0.72	0.46	
139	CADAVEROUS (DEAD ANIMAL)	2.16	1.58	
140	SICKENING	25.18	18.75	****
141	DRY, POWDERY	8.63	5.79	*
142	CHALKY	0.00	0.00	
143	LIGHT	5.76	3.97	
144	HEAVY	34.53	27.30	******
145	COOL, COOLING	0.72	0.32	
146	WARM	17.27	12.80	***

TABLE 44—Cyclohexanol

CYCLOHEXYL ALCOHOL

CHEM. ABSTR. REG. NO. 108-93-0
C6 H12 O1
MOL. WT. 100.2



CONCENTRATION, ML/LITER..... 350
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

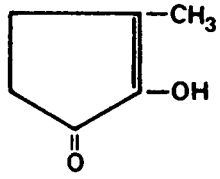
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.01	0.74	
2	LEMON	0.68	0.52	
3	GRAPEFRUIT	0.34	0.26	
4	ORANGE	0.34	0.21	
5	FRUITY, OTHER THAN CITRUS	1.35	0.67	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.67	0.43	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.34	0.67	
11	CANTALOUPE, HONEY DEW MELON	1.01	0.64	
12	PEACH (FRUIT)	0.34	0.15	
13	BANANA	0.67	0.47	
14	FLORAL	4.04	2.44	
15	ROSE	0.67	0.41	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.67	0.30	
18	COLOGNE	2.36	1.44	
19	MUSK	6.74	4.26	*
20	PERFUMERY	4.04	2.49	
21	FRAGRANT	24.59	16.63	****
22	AROMATIC	31.64	23.40	*****
23	HONEY	0.34	0.15	
24	CHERRY (BERRY)	0.34	0.15	
25	ALMOND	6.74	3.98	
26	NAIL POLISH REMOVER	15.84	10.01	**
27	NUTTY (WALNUT ETC)	4.05	2.15	
28	SPICY	5.73	3.51	
29	CLOVE	2.70	1.73	
30	CINNAMON	0.34	0.26	
31	LAUREL LEAVES	1.34	0.67	
32	TEA LEAVES	0.34	0.15	
33	SEASONING (FOR MEAT)	0.34	0.21	
34	BLACK PEPPER	0.67	0.47	
35	GREEN PEPPER	0.34	0.15	
36	DILL	0.67	0.36	
37	CARAWAY	1.01	0.52	
38	OAK WOOD, COGNAC	5.74	3.11	
39	WOODY, RESINOUS	28.65	18.90	****
40	CEDARWOOD	10.11	5.53	*
41	MOTHBALLS	16.52	9.44	**
42	MINTY, PEPPERMINT	8.76	5.31	*
43	CAMPHOR	29.31	20.27	*****
44	EUCALIPTUS	14.49	8.83	**
45	CHOCOLATE	0.67	0.47	
46	VANILLA	1.35	0.84	
47	SWEET	12.46	6.92	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	1.01	0.58	
50	MALTY	1.35	0.74	
51	RAISINS	0.68	0.30	
52	MOLASSES	1.35	0.95	
53	COCONUT	0.34	0.21	
54	ANISE (LICORICE)	6.07	3.78	
55	ALCOHOLIC	22.90	15.15	***
56	ETHERISH, ANAESTHETIC	52.19	39.71	*********
57	CLEANING FLUID	25.26	17.20	****
58	GASOLINE, SOLVENT	22.57	14.27	***
59	TURPENTINE (PINE OIL)	27.96	16.96	****
60	GERANIUM LEAVES	1.35	0.79	
61	CELERY	0.67	0.30	
62	FRESH GREEN VEGETABLES	0.67	0.41	

63	CRUSHED WEEDS	0.67	0.30	
64	CRUSHED GRASS	0.34	0.21	
65	HERBAL, GREEN, CUT GRASS	10.77	6.36	*
66	RAW CUCUMBER	0.34	0.15	
67	HAY	2.02	1.04	
68	GRAINY (AS GRAIN)	2.36	1.20	
69	YEASTY	1.35	0.79	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.34	0.26	
72	FERMENTED (ROTTEN) FRUIT	1.68	0.95	
73	BEERY	1.69	1.04	
74	SOAPY	2.02	1.32	
75	LEATHER	11.13	6.87	*
76	CARDBOARD	2.36	1.31	
77	ROPE	2.02	1.04	
78	WET PAPER	3.37	1.84	
79	WET WOOL, WET DOG	3.03	1.75	
80	DIRTY LINEN	1.01	0.56	
81	STALE	4.38	2.88	
82	MUSTY, EARTHY, MOLDY	12.47	7.88	*
83	RAW POTATO	1.01	0.52	
84	MOUSE	0.34	0.15	
85	MUSHROOM	0.67	0.37	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	8.77	5.27	*
90	CORK	4.38	2.52	
91	BURNT, SMOKY	26.28	18.24	****
92	FRESH TOBACCO SMOKE	1.35	0.79	
93	INCENSE	6.74	3.69	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	4.73	2.98	
96	BURNT PAPER	5.39	3.46	
97	BURNT MILK	0.34	0.15	
98	BURNT RUBBER	6.74	4.47	*
99	TAR	27.30	18.20	****
100	CREOSOTE	27.30	18.50	****
101	DISINFECTANT, CARBOLIC	51.54	39.11	*********
102	MEDICINAL	53.89	40.85	**********
103	CHEMICAL	42.09	31.89	*******
104	BITTER	7.75	4.85	*
105	SHARP, PUNGENT, ACID	36.04	24.58	******
106	SOUR, VINEGAR	7.41	4.24	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	10.43	6.09	*
109	URINE	4.72	2.58	
110	CAT URINE	2.69	1.53	
111	FISHY	2.02	1.11	
112	KIPPERY (SMOKED FISH)	1.01	0.45	
113	SEMINAL, SPERM-LIKE	0.67	0.51	
114	NEW RUBBER	6.07	4.19	*
115	SOOTY	5.73	3.49	
116	BURNT CANDLE	4.72	2.69	
117	KEROSENE	11.46	7.45	*
118	OILY, FATTY	12.47	7.15	*
119	BUTTERY, FRESH BUTTER	0.34	0.21	
120	PAINT	20.22	12.57	***
121	VARNISH	17.51	10.64	**
122	POPCORN	0.34	0.30	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.34	0.67	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.34	0.26	
127	RANCID	6.06	3.56	
128	SWEATY	10.77	5.84	*
129	CHEESY	1.01	0.52	
130	HOUSEHOLD GAS	3.37	1.98	
131	SULFIDIC	4.38	2.94	
132	GARLIC, ONION	1.68	0.75	
133	METALLIC	6.74	4.50	*
134	BLOOD, RAW MEAT	1.01	0.45	
135	ANIMAL	1.68	1.04	
136	SEWER	3.37	1.90	
137	PUTRID, FOUL, DECAYED	4.72	3.01	
138	FECAL (LIKE MANURE)	3.03	1.61	
139	CADAVEROUS (DEAD ANIMAL)	2.02	1.22	
140	SICKENING	20.87	13.92	***
141	DRY, POWDERY	5.04	2.85	
142	CHALKY	0.34	0.15	
143	LIGHT	10.45	7.02	*
144	HEAVY	33.68	24.84	******
145	COOL, COOLING	20.88	13.36	***
146	WARM	12.46	8.42	**

TABLE 45—Cyclotene

2-CYCLOPENTEN-1-ONE, 2-HYDROXY-3-METHYL
2-ETHYL HEXANOIC ACID

CHEM. ABSTR. REG. NO. 80-71-7
C6 H8 02
MOL. WT. 112.1



CONCENTRATION, G/LITER..... 100
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

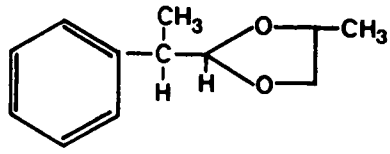
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.78	0.61	
5	FRUITY, OTHER THAN CITRUS	1.56	1.31	
6	PINEAPPLE	1.56	0.70	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.78	0.49	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	3.13	1.98	
14	FLORAL	1.56	0.99	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	3.13	2.32	
20	PERFUMERY	3.13	1.71	
21	FRAGRANT	18.75	13.80	***
22	AROMATIC	21.88	17.54	****
23	HONEY	7.81	5.06	*
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	13.28	9.22	**
26	NAIL POLISH REMOVER	0.78	0.61	
27	NUTTY (WALNUT ETC)	17.97	12.76	***
28	SPICY	12.50	8.84	**
29	CLOVE	0.00	0.00	
30	CINNAMON	1.56	1.10	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.78	0.35	
33	SEASONING (FOR MEAT)	3.91	2.71	
34	BLACK PEPPER	4.69	2.71	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.78	0.49	
38	OAK WOOD, COGNAC	5.47	3.46	
39	WOODY, RESINOUS	25.00	16.54	****
40	CEDARWOOD	2.34	1.82	
41	MOTHBALLS	0.78	0.35	
42	MINTY, PEPPERMINT	0.78	0.35	
43	CAMPHOR	1.56	0.70	
44	EUCALIPTUS	1.56	0.70	
45	CHOCOLATE	3.13	1.85	
46	VANILLA	7.03	4.45	*
47	SWEET	32.03	23.68	*****
48	MAPLE SYRUP	35.16	28.70	*******
49	CARAMEL	28.91	23.38	*****
50	MALTY	9.38	5.55	*
51	RAISINS	3.13	1.85	
52	MOLASSES	18.75	12.22	***
53	COCONUT	1.56	0.86	
54	ANISE (LICORICE)	7.03	5.34	*
55	ALCOHOLIC	3.91	2.21	
56	ETHERISH, ANAESTHETIC	4.69	3.63	
57	CLEANING FLUID	1.56	0.70	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	2.34	1.35	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	3.91	3.03	
62	FRESH GREEN VEGETABLES	0.78	0.35	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	2.34	1.48	
65	HERBAL, GREEN, CUT GRASS	3.13	2.10	
66	RAW CUCUMBER	0.78	0.35	
67	HAY	0.78	0.49	
68	GRAINY (AS GRAIN)	0.78	0.49	
69	YEASTY	1.56	0.86	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	2.34	2.01	
72	FERMENTED (ROTTEN) FRUIT	2.34	1.35	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	1.56	0.86	
76	CARDBOARD	1.56	1.10	
77	ROPE	0.78	0.35	
78	WET PAPER	0.78	0.49	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	7.81	4.69	*
82	MUSTY, EARTHY, MOLDY	14.84	9.14	**
83	RAW POTATO	0.78	0.35	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	5.47	3.46	
87	BEANY	1.56	0.86	
88	EGGY (FRESH EGGS)	0.78	0.35	
89	BARK, BIRCH BARK	7.03	4.57	*
90	CORK	1.56	0.86	
91	BURNT, SMOKY	46.88	36.31	*********
92	FRESH TOBACCO SMOKE	2.34	1.05	
93	INCENSE	2.34	1.48	
94	COFFEE	20.31	16.71	****
95	STALE TOBACCO SMOKE	4.69	3.20	
96	BURNT PAPER	23.44	18.05	****
97	BURNT MILK	6.25	4.64	*
98	BURNT RUBBER	6.25	4.53	*
99	TAR	3.91	2.47	
100	CREOSOTE	2.34	1.48	
101	DISINFECTANT, CARBOLIC	2.34	1.60	
102	MEDICINAL	6.25	3.70	
103	CHEMICAL	5.47	4.24	*
104	BITTER	6.25	4.42	*
105	SHARP, PUNGENT, ACID	10.16	6.78	*
106	SOUR, VINEGAR	0.78	0.61	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	3.91	2.59	
116	BURNT CANDLE	4.69	2.71	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	7.81	4.94	*
119	BUTTERY, FRESH BUTTER	5.47	3.58	
120	PAINT	1.56	0.99	
121	VARNISH	0.78	0.49	
122	POPCORN	3.13	1.85	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	3.91	2.47	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.56	0.99	
127	RANCID	2.34	1.60	
128	SWEATY	2.34	1.91	
129	CHEESY	0.78	0.49	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.56	0.86	
132	GARLIC, ONION	3.13	1.98	
133	METALLIC	1.56	0.99	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.78	0.49	
137	PUTRID, FOUL, DECAYED	3.13	2.32	
138	FECAL (LIKE MANURE)	0.78	0.49	
139	CADAVEROUS (DEAD ANIMAL)	0.78	0.61	
140	SICKENING	13.28	9.88	**
141	DRY, POWDERY	8.59	5.56	*
142	CHALKY	0.78	0.49	
143	LIGHT	4.69	3.20	
144	HEAVY	34.38	26.93	******
145	COOL, COOLING	0.00	0.00	
146	WARM	24.22	17.29	
HEAVY		34.38	26.93	******
145	COOL, COOLING	0.00	0.00	
146	WARM	24.22	17.29	

TABLE 46—Cyclotropal

1,3-DIOXOLANE, 4-METHYL-2-(1-PHENYL ETHYL)-
1.3-DIOXOLANE, 4-METHYL-2-(ALPHA-METHYL BENZYL)-
HYDRATROPAL

CHEM. ABSTR. REG. NO. 67634-23-5
C12 H16 02
MOL. WT. 192.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	138
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

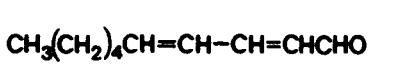
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	12.32	8.56	**
2	LEMON	9.42	5.72	*
3	GRAPEFRUIT	5.80	4.20	*
4	ORANGE	6.52	4.56	*
5	FRUITY, OTHER THAN CITRUS	8.70	5.72	*
6	PINEAPPLE	1.45	1.02	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.45	0.79	
9	APPLE (FRUIT)	0.72	0.56	
10	PEAR	1.45	0.79	
11	CANTALOUPE, HONEY DEW MELON	2.90	1.30	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	0.72	0.32	
14	FLORAL	11.59	6.86	*
15	ROSE	2.90	1.94	
16	VIOLETS	1.45	0.92	
17	LAVENDER	2.90	1.83	
18	COLOGNE	2.17	1.12	
19	MUSK	5.80	3.18	
20	PERFUMERY	7.97	5.15	*
21	FRAGRANT	27.54	17.87	****
22	AROMATIC	26.81	17.63	****
23	HONEY	2.90	1.45	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	9.42	6.07	*
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	3.62	2.29	
28	SPICY	10.87	7.21	*
29	CLOVE	2.17	1.37	
30	CINNAMON	1.45	0.79	
31	LAUREL LEAVES	2.17	1.26	
32	TEA LEAVES	2.90	1.30	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	2.17	1.26	
35	GREEN PEPPER	2.17	1.37	
36	DILL	2.90	1.83	
37	CARAWAY	0.72	0.56	
38	OAK WOOD, COGNAC	1.45	0.65	
39	WOODY, RESINOUS	23.19	13.96	***
40	CEDARWOOD	5.80	3.18	
41	MOTHBALLS	2.17	0.97	
42	MINTY, PEPPERMINT	5.07	2.71	
43	CAMPHOR	2.90	1.59	
44	EUCALIPTUS	2.90	1.59	
45	CHOCOLATE	0.72	0.32	
46	VANILLA	2.17	1.12	
47	SWEET	25.36	16.04	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	1.45	0.65	
50	MALTY	1.45	0.92	
51	RAISINS	2.17	1.12	
52	MOLASSES	2.17	0.97	
53	COCONUT	0.72	0.32	
54	ANISE (LICORICE)	6.52	4.01	*
55	ALCOHOLIC	2.17	1.59	
56	ETHERISH, ANAESTHETIC	8.70	4.49	*
57	CLEANING FLUID	1.45	0.65	
58	GASOLINE, SOLVENT	2.90	1.59	
59	TURPENTINE (PINE OIL)	0.72	0.46	
60	GERANIUM LEAVES	5.07	2.97	
61	CELERY	0.72	0.46	
62	FRESH GREEN VEGETABLES	2.90	1.71	

63	CRUSHED WEEDS	7.25	4.58	*
64	CRUSHED GRASS	7.97	5.27	*
65	HERBAL, GREEN, CUT GRASS	26.09	16.15	****
66	RAW CUCUMBER	2.17	0.97	
67	HAY	2.90	1.83	
68	GRAINY (AS GRAIN)	3.62	1.92	
69	YEASTY	3.62	2.05	
70	BAKERY (FRESH BREAD)	0.72	0.32	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.45	0.92	
73	BEERY	2.17	1.12	
74	SOAPY	2.90	1.94	
75	LEATHER	2.90	1.59	
76	CARDBOARD	5.80	3.43	
77	ROPE	1.45	0.65	
78	WET PAPER	4.35	2.25	
79	WET WOOL, WET DOG	4.35	2.51	
80	DIRTY LINEN	2.90	1.83	
81	STALE	6.52	3.89	
82	MUSTY, EARTHY, MOLDY	26.09	16.73	****
83	RAW POTATO	3.62	1.77	
84	MOUSE	0.00	0.00	
85	MUSHROOM	16.67	14.99	***
86	PEANUT BUTTER	0.72	0.32	
87	BEANY	2.17	1.26	
88	EGGY (FRESH EGGS)	0.72	0.46	
89	BARK, BIRCH BARK	5.07	2.97	
90	CORK	2.17	1.12	
91	BURNT, SMOKY	8.70	5.50	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	3.62	2.05	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	2.17	1.26	
97	BURNT MILK	0.72	0.46	
98	BURNT RUBBER	3.62	2.29	
99	TAR	0.72	0.32	
100	CREOSOTE	1.45	0.79	
101	DISINFECTANT, CARBOLIC	3.62	1.92	
102	MEDICINAL	3.62	2.17	
103	CHEMICAL	8.70	5.14	*
104	BITTER	2.90	2.05	
105	SHARP, PUNGENT, ACID	12.32	7.90	*
106	SOUR, VINEGAR	8.70	4.89	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.72	0.46	
109	URINE	0.72	0.46	
110	CAT URINE	0.72	0.32	
111	FISHY	2.90	1.45	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	1.45	1.12	
114	NEW RUBBER	7.25	5.52	*
115	SOOTY	0.72	0.46	
116	BURNT CANDLE	0.72	0.46	
117	KEROSENE	1.45	0.79	
118	OILY, FATTY	25.36	15.81	***
119	BUTTERY, FRESH BUTTER	3.62	1.92	
120	PAINT	1.45	0.65	
121	VARNISH	1.45	0.92	
122	POPCORN	2.17	1.37	
123	FRIED CHICKEN	1.45	1.02	
124	MEATY (COOKED, GOOD)	2.90	1.59	
125	SOUPY	0.72	0.56	
126	COOKED VEGETABLES	5.07	2.84	
127	RANCID	10.87	6.87	*
128	SWEATY	12.32	7.07	*
129	CHEESY	0.72	0.56	
130	HOUSEHOLD GAS	2.17	1.26	
131	SULFIDIC	3.62	1.77	
132	GARLIC, ONION	5.07	2.97	
133	METALLIC	6.52	4.46	*
134	BLOOD, RAW MEAT	7.25	4.81	*
135	ANIMAL	1.45	0.79	
136	SEWER	1.45	0.65	
137	PUTRID, FOUL, DECAYED	3.62	2.05	
138	FECAL (LIKE MANURE)	0.72	0.46	
139	CADAVEROUS (DEAD ANIMAL)	1.45	0.65	
140	SICKENING	10.14	6.75	*
141	DRY, POWDERY	7.25	3.83	
142	CHALKY	0.00	0.00	
143	LIGHT	23.19	15.34	***
144	HEAVY	14.49	10.14	**
145	COOL, COOLING	7.25	4.47	*
146	WARM	8.70	5.61	*

TABLE 47—Decadienal: 2,4-trans-trans-Decadienal

CHEM. ABSTR. REG. NO. 25152-84-5
C10 H16 O1
MOL. WT. 152.2

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 99



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

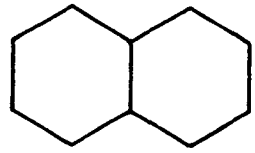
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.03	3.37	
2	LEMON	4.03	3.12	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	4.03	2.75	
5	FRUITY, OTHER THAN CITRUS	2.68	1.80	
6	PINEAPPLE	2.01	1.27	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.34	0.74	
9	APPLE (FRUIT)	3.36	2.85	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.67	0.42	
12	PEACH (FRUIT)	1.34	0.85	
13	BANANA	0.00	0.00	
14	FLORAL	3.36	2.01	
15	ROSE	0.00	0.00	
16	VIOLETS	1.34	1.12	
17	LAVENDER	1.34	0.74	
18	COLOGNE	0.00	0.00	
19	MUSK	8.72	4.96	*
20	PERFUMERY	1.34	0.60	
21	FRAGRANT	11.41	8.39	**
22	AROMATIC	17.45	12.43	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.67	0.30	
25	ALMOND	6.04	4.22	*
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	8.72	6.67	*
28	SPICY	4.03	2.21	
29	CLOVE	0.67	0.30	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.67	0.30	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	2.68	1.59	
34	BLACK PEPPER	0.67	0.30	
35	GREEN PEPPER	1.34	0.60	
36	DILL	0.67	0.30	
37	CARAWAY	1.34	0.60	
38	OAK WOOD, COGNAC	1.34	0.85	
39	WOODY, RESINOUS	19.46	12.20	***
40	CEDARWOOD	0.67	0.42	
41	MOTHBALLS	0.67	0.42	
42	MINTY, PEPPERMINT	0.67	0.60	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.67	0.30	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	12.08	7.64	*
48	MAPLE SYRUP	0.67	0.42	
49	CARAMEL	1.34	0.60	
50	MALTY	4.03	2.44	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.67	0.30	
53	COCONUT	0.67	0.30	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.34	0.95	
56	ETHERISH, ANAESTHETIC	1.34	0.95	
57	CLEANING FLUID	2.01	1.64	
58	GASOLINE, SOLVENT	0.67	0.52	
59	TURPENTINE (PINE OIL)	5.37	3.40	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	3.36	2.01	
62	FRESH GREEN VEGETABLES	4.03	2.85	

63	CRUSHED WEEDS	2.68	1.34	
64	CRUSHED GRASS	2.01	1.04	
65	HERBAL, GREEN, CUT GRASS	10.74	6.35	*
66	RAW CUCUMBER	6.71	4.93	*
67	HAY	2.01	1.04	
68	GRAINY (AS GRAIN)	5.37	2.94	
69	YEASTY	5.37	3.40	
70	BAKERY (FRESH BREAD)	0.67	0.42	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.01	1.38	
73	BEERY	2.01	1.04	
74	SOAPY	9.40	5.62	*
75	LEATHER	4.70	2.86	
76	CARDBOARD	4.70	2.86	
77	ROPE	3.36	2.68	
78	WET PAPER	3.36	2.32	
79	WET WOOL, WET DOG	4.03	2.44	
80	DIRTY LINEN	3.36	2.01	
81	STALE	20.13	13.15	***
82	MUSTY, EARTHY, MOLDY	20.13	13.56	***
83	RAW POTATO	6.71	3.42	
84	MOUSE	2.01	1.38	
85	MUSHROOM	2.68	1.59	
86	PEANUT BUTTER	5.37	3.29	
87	BEANY	2.68	1.99	
88	EGGY (FRESH EGGS)	2.01	1.47	
89	BARK, BIRCH BARK	3.36	1.90	
90	CORK	3.36	1.90	
91	BURNT, SMOKY	18.12	10.92	**
92	FRESH TOBACCO SMOKE	0.67	0.30	
93	INCENSE	0.67	0.30	
94	COFFEE	0.67	0.30	
95	STALE TOBACCO SMOKE	2.68	1.59	
96	BURNT PAPER	4.70	3.18	
97	BURNT MILK	0.67	0.30	
98	BURNT RUBBER	1.34	0.74	
99	TAR	1.34	0.85	
100	CREOSOTE	2.01	1.16	
101	DISINFECTANT, CARBOLIC	3.36	2.23	
102	MEDICINAL	7.38	4.77	*
103	CHEMICAL	15.44	10.28	**
104	BITTER	4.70	3.46	
105	SHARP, PUNGENT, ACID	11.41	8.48	**
106	SOUR, VINEGAR	8.72	5.73	*
107	SAUERKRAUT	1.34	0.95	
108	AMMONIA	1.34	0.95	
109	URINE	4.70	2.63	
110	CAT URINE	2.01	1.27	
111	FISHY	8.72	5.30	*
112	KIPPERY (SMOKED FISH)	2.68	1.99	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.67	0.67	
115	SOOTY	0.67	0.42	
116	BURNT CANDLE	4.03	2.85	
117	KEROSENE	0.67	0.30	
118	OILY, FATTY	63.09	50.40	**********
119	BUTTERY, FRESH BUTTER	6.71	3.80	
120	PAINT	13.42	8.70	**
121	VARNISH	5.37	3.29	
122	POPCORN	12.75	9.43	**
123	FRIED CHICKEN	14.77	10.25	**
124	MEATY (COOKED, GOOD)	16.78	12.19	***
125	SOUPY	3.36	2.85	
126	COOKED VEGETABLES	4.70	3.46	
127	RANCID	36.91	27.53	******
128	SWEATY	26.85	18.31	****
129	CHEESY	1.34	0.60	
130	HOUSEHOLD GAS	0.67	0.30	
131	SULFIDIC	4.70	2.75	
132	GARLIC, ONION	4.03	2.44	
133	METALLIC	2.68	1.80	
134	BLOOD, RAW MEAT	5.37	3.50	
135	ANIMAL	10.07	6.47	*
136	SEWER	1.34	0.85	
137	PUTRID, FOUL, DECAYED	12.75	9.06	**
138	FECAL (LIKE MANURE)	3.36	1.90	
139	CADAVEROUS (DEAD ANIMAL)	1.34	0.60	
140	SICKENING	31.54	23.10	*****
141	DRY, POWDERY	8.05	4.99	*
142	CHALKY	2.01	1.16	
143	LIGHT	4.70	3.18	
144	HEAVY	41.61	31.08	*******
145	COOL, COOLING	1.34	1.04	
146	WARM	17.45	12.90	***

TABLE 48—Decahydro Naphthalene

BICYCLO(4.4.0)DECANE
DECALIN
PERHYDRO NAPHTHALENE
NAPHTHALANE
NAPHTHANE

CHEM. ABSTR. REG. NO. 91-17-8
C10 H18
MOL. WT. 183.3



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 119
PERCENT WHO DETECTED ODOR..... 93

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.84	0.65	
2	LEMON	0.84	0.53	
3	GRAPEFRUIT	0.84	0.38	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.52	1.30	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.68	1.19	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	1.68	1.06	
15	ROSE	0.84	0.38	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.84	0.75	
19	MUSK	4.20	2.52	
20	PERFUMERY	1.68	1.19	
21	FRAGRANT	15.97	9.96	**
22	AROMATIC	15.13	9.43	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.52	1.46	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.84	0.38	
28	SPICY	8.40	4.75	*
29	CLOVE	0.84	0.38	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.84	0.53	
33	SEASONING (FOR MEAT)	0.84	0.38	
34	BLACK PEPPER	0.84	0.53	
35	GREEN PEPPER	0.84	0.53	
36	DILL	1.68	1.19	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.84	0.38	
39	WOODY, RESINOUS	27.73	17.54	****
40	CEDARWOOD	9.24	6.48	*
41	MOTHBALLS	4.20	3.03	
42	MINTY, PEPPERMINT	4.20	3.46	
43	CAMPHOR	5.88	3.72	
44	EUCALIPTUS	0.84	0.53	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	10.08	5.82	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.68	0.92	
55	ALCOHOLIC	1.68	0.75	
56	ETHERISH, ANAESTHETIC	5.04	2.60	
57	CLEANING FLUID	2.52	1.72	
58	GASOLINE, SOLVENT	5.04	3.05	
59	TURPENTINE (PINE OIL)	8.40	6.29	*
60	GERANIUM LEAVES	1.68	1.19	
61	CELERY	1.68	0.92	
62	FRESH GREEN VEGETABLES	2.52	1.59	

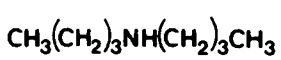
63	CRUSHED WEEDS	3.36	1.68	
64	CRUSHED GRASS	5.88	3.58	
65	HERBAL, GREEN, CUT GRASS	13.45	8.77	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.84	0.38	
74	SOAPY	1.68	1.19	
75	LEATHER	1.68	1.50	
76	CARDBOARD	4.20	2.52	
77	ROPE	0.00	0.00	
78	WET PAPER	5.04	3.05	
79	WET WOOL, WET DOG	5.04	2.76	
80	DIRTY LINEN	1.68	1.19	
81	STALE	7.56	4.91	*
82	MUSTY, EARTHY, MOLDY	32.77	25.17	******
83	RAW POTATO	0.84	0.38	
84	MOUSE	0.84	0.38	
85	MUSHROOM	1.68	0.92	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.36	2.25	
90	CORK	0.84	0.38	
91	BURNT, SMOKY	5.88	3.14	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.68	1.19	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.68	1.06	
96	BURNT PAPER	0.84	0.75	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.68	1.19	
100	CREOSOTE	2.52	1.13	
101	DISINFECTANT, CARBOLIC	8.40	5.31	*
102	MEDICINAL	6.72	4.75	*
103	CHEMICAL	7.56	4.65	*
104	BITTER	2.52	1.95	
105	SHARP, PUNGENT, ACID	6.72	3.98	
106	SOUR, VINEGAR	10.08	5.52	*
107	SAUERKRAUT	1.68	0.75	
108	AMMONIA	0.84	0.38	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	3.36	2.13	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.84	0.38	
115	SOOTY	0.84	0.38	
116	BURNT CANDLE	0.84	0.38	
117	KEROSENE	2.52	1.72	
118	OILY, FATTY	2.52	1.30	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	3.36	1.84	
121	VARNISH	1.68	0.92	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.68	0.75	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.68	0.92	
127	RANCID	2.52	1.30	
128	SWEATY	4.20	2.91	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	2.52	1.59	
131	SULFIDIC	4.20	2.22	
132	GARLIC, ONION	9.24	6.71	*
133	METALLIC	1.68	0.75	
134	BLOOD, RAW MEAT	0.84	0.38	
135	ANIMAL	0.84	0.38	
136	SEWER	0.84	0.84	
137	PUTRID, FOUL, DECAYED	2.52	1.46	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	9.24	5.57	*
141	DRY, POWDERY	10.08	6.11	*
142	CHALKY	0.84	0.53	
143	LIGHT	22.69	16.57	****
144	HEAVY	13.45	8.77	**
145	COOL, COOLING	9.24	6.23	*
146	WARM	10.08	6.51	*

TABLE 49—Dibutyl Amine

DI-N-BUTYLAMINE

CHEM. ABSTR. REG. NO. 111-92-2
C8 H19 N1
MOL. WT. 129.3

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 113
PERCENT WHO DETECTED ODOR..... 81



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.88	0.69	
6	PINEAPPLE	0.88	0.40	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.88	0.69	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.88	0.69	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.88	0.40	
14	FLORAL	1.77	0.97	
15	ROSE	1.77	1.77	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.88	0.40	
19	MUSK	4.42	2.94	
20	PERFUMERY	2.65	1.68	
21	FRAGRANT	15.04	9.23	**
22	AROMATIC	14.16	8.81	**
23	HONEY	0.88	0.56	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.54	2.63	
26	NAIL POLISH REMOVER	0.88	0.69	
27	NUTTY (WALNUT ETC)	5.31	3.36	
28	SPICY	2.65	1.37	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.77	0.97	
33	SEASONING (FOR MEAT)	0.88	0.40	
34	BLACK PEPPER	3.54	2.37	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.42	3.31	
39	WOODY, RESINOUS	35.40	21.96	*****
40	CEDARWOOD	6.19	3.78	
41	MOTHBALLS	0.88	0.56	
42	MINTY, PEPPERMINT	0.88	0.40	
43	CAMPHOR	2.65	1.19	
44	EUCALIPTUS	0.88	0.69	
45	CHOCOLATE	2.65	1.53	
46	VANILLA	1.77	0.79	
47	SWEET	8.85	4.85	*
48	MAPLE SYRUP	2.65	1.37	
49	CARAMEL	2.65	1.81	
50	MALTY	3.54	1.94	
51	RAISINS	0.88	0.56	
52	MOLASSES	2.65	1.37	
53	COCONUT	0.88	0.40	
54	ANISE (LICORICE)	0.88	0.40	
55	ALCOHOLIC	4.42	2.80	
56	ETHERISH, ANAESTHETIC	5.31	3.75	
57	CLEANING FLUID	2.65	1.94	
58	GASOLINE, SOLVENT	2.65	1.68	
59	TURPENTINE (PINE OIL)	4.42	2.80	
60	GERANIUM LEAVES	0.88	0.56	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.77	0.79	

63	CRUSHED WEEDS	0.88	0.40	
64	CRUSHED GRASS	0.88	0.40	
65	HERBAL, GREEN, CUT GRASS	5.31	2.56	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.88	0.56	
68	GRAINY (AS GRAIN)	2.65	1.19	
69	YEASTY	4.42	2.65	
70	BAKERY (FRESH BREAD)	0.88	0.56	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.77	1.37	
73	BEERY	0.00	0.00	
74	SOAPY	2.65	1.94	
75	LEATHER	4.42	2.17	
76	CARDBOARD	6.19	3.78	
77	ROPE	3.54	1.77	
78	WET PAPER	3.54	2.37	
79	WET WOOL, WET DOG	4.42	2.17	
80	DIRTY LINEN	0.88	0.40	
81	STALE	4.42	2.34	
82	MUSTY, EARTHY, MOLDY	23.01	13.54	***
83	RAW POTATO	0.88	0.40	
84	MOUSE	0.88	0.40	
85	MUSHROOM	1.77	0.79	
86	PEANUT BUTTER	1.77	1.25	
87	BEANY	0.88	0.40	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.42	2.17	
90	CORK	4.42	2.17	
91	BURNT, SMOKY	13.27	7.51	*
92	FRESH TOBACCO SMOKE	0.88	0.40	
93	INCENSE	1.77	0.97	
94	COFFEE	0.88	0.40	
95	STALE TOBACCO SMOKE	5.31	3.75	
96	BURNT PAPER	3.54	1.58	
97	BURNT MILK	0.88	0.69	
98	BURNT RUBBER	0.88	0.56	
99	TAR	1.77	0.79	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	1.77	0.79	
102	MEDICINAL	7.96	4.28	*
103	CHEMICAL	9.73	5.87	*
104	BITTER	0.88	0.69	
105	SHARP, PUNGENT, ACID	7.08	4.75	*
106	SOUR, VINEGAR	8.85	5.01	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.54	1.94	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.88	0.40	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.88	0.40	
114	NEW RUBBER	1.77	0.97	
115	SOOTY	3.54	1.77	
116	BURNT CANDLE	1.77	1.25	
117	KEROSENE	0.88	0.69	
118	OILY, FATTY	12.39	8.51	**
119	BUTTERY, FRESH BUTTER	4.42	3.07	
120	PAINT	6.19	3.78	
121	VARNISH	2.65	1.94	
122	POPCORN	1.77	1.25	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.65	1.81	
125	SOUPY	0.88	0.69	
126	COOKED VEGETABLES	2.65	1.53	
127	RANCID	7.96	4.28	*
128	SWEATY	15.04	8.48	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	3.54	1.58	
132	GARLIC, ONION	0.88	0.56	
133	METALLIC	4.42	2.94	
134	BLOOD, RAW MEAT	2.65	1.37	
135	ANIMAL	1.77	1.12	
136	SEWER	0.88	0.69	
137	PUTRID, FOUL, DECAYED	3.54	1.94	
138	FECAL (LIKE MANURE)	2.65	2.06	
139	CADAVEROUS (DEAD ANIMAL)	0.88	0.69	
140	SICKENING	4.42	2.94	
141	DRY, POWDERY	9.73	5.57	*
142	CHALKY	4.42	2.65	
143	LIGHT	29.20	20.46	*****
144	HEAVY	5.31	4.23	*
145	COOL, COOLING	4.42	2.34	
146	WARM	10.62	6.28	*

TABLE 50—Diethyl Sulfide

ETHYL SULFIDE

CHEM. ABSTR. REG. NO. 352-93-2
C4 H10 S1
MOL. WT. 90.2

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99

$CH_3CH_2SCH_2CH_3$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

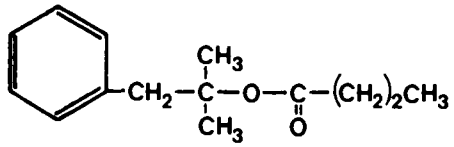
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	3.60	1.90	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	2.16	1.37	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	5.04	4.17	*
22	AROMATIC	12.23	10.28	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	1.44	1.02	
26	NAIL POLISH REMOVER	1.44	0.64	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	6.47	4.73	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	5.76	3.75	
34	BLACK PEPPER	2.88	1.82	
35	GREEN PEPPER	2.16	1.37	
36	DILL	2.88	1.58	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	7.19	5.09	*
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.72	0.46	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	2.88	1.93	
48	MAPLE SYRUP	0.72	0.32	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.72	0.46	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.72	0.32	
56	ETHERISH, ANAESTHETIC	5.04	3.61	
57	CLEANING FLUID	4.32	2.49	
58	GASOLINE, SOLVENT	24.46	19.22	****
59	TURPENTINE (PINE OIL)	3.60	2.39	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	1.44	0.79	
62	FRESH GREEN VEGETABLES	0.72	0.32	

63	CRUSHED WEEDS	2.16	1.37	
64	CRUSHED GRASS	0.72	0.32	
65	HERBAL, GREEN, CUT GRASS	2.16	0.97	
66	RAW CUCUMBER	2.16	1.11	
67	HAY	0.72	0.32	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	2.16	1.25	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.72	0.32	
72	FERMENTED (ROTTEN) FRUIT	2.16	1.37	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.72	0.32	
78	WET PAPER	0.72	0.46	
79	WET WOOL, WET DOG	2.88	1.70	
80	DIRTY LINEN	3.60	2.16	
81	STALE	1.44	1.20	
82	MUSTY, EARTHY, MOLDY	4.32	2.49	
83	RAW POTATO	0.72	0.46	
84	MOUSE	2.16	1.37	
85	MUSHROOM	1.44	0.79	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.72	0.46	
88	EGGY (FRESH EGGS)	0.72	0.32	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	1.44	0.79	
91	BURNT, SMOKY	20.86	15.00	***
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.72	0.32	
95	STALE TOBACCO SMOKE	2.88	2.13	
96	BURNT PAPER	3.60	2.69	
97	BURNT MILK	1.44	0.91	
98	BURNT RUBBER	11.51	8.34	**
99	TAR	10.07	7.61	*
100	CREOSOTE	7.19	5.19	*
101	DISINFECTANT, CARBOLIC	4.32	2.61	
102	MEDICINAL	1.44	0.91	
103	CHEMICAL	15.11	11.89	**
104	BITTER	6.47	5.11	*
105	SHARP, PUNGENT, ACID	35.25	27.58	******
106	SOUR, VINEGAR	17.99	12.36	***
107	SAUERKRAUT	4.32	2.95	
108	AMMONIA	3.60	2.39	
109	URINE	2.16	1.85	
110	CAT URINE	2.16	1.58	
111	FISHY	3.60	2.39	
112	KIPPERY (SMOKED FISH)	0.72	0.56	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	3.60	2.39	
115	SOOTY	2.16	1.47	
116	BURNT CANDLE	0.72	0.64	
117	KEROSENE	5.76	3.75	
118	OILY, FATTY	17.99	12.25	***
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.16	1.37	
121	VARNISH	1.44	1.02	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	5.04	2.95	
125	SOUPY	3.60	1.90	
126	COOKED VEGETABLES	3.60	2.03	
127	RANCID	20.86	14.60	***
128	SWEATY	14.39	10.77	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	30.22	25.37	******
131	SULFIDIC	28.06	21.83	*****
132	GARLIC, ONION	47.48	42.55	**********
133	METALLIC	6.47	3.98	
134	BLOOD, RAW MEAT	3.60	2.69	
135	ANIMAL	0.72	0.32	
136	SEWER	17.27	13.19	***
137	PUTRID, FOUL, DECAYED	23.02	18.11	****
138	FECAL (LIKE MANURE)	7.91	5.34	*
139	CADAVEROUS (DEAD ANIMAL)	7.19	5.57	*
140	SICKENING	46.76	38.56	*********
141	DRY, POWDERY	2.16	1.25	
142	CHALKY	0.00	0.00	
143	LIGHT	3.60	2.69	
144	HEAVY	38.13	32.79	********
145	COOL, COOLING	0.72	0.32	
146	WARM	7.91	6.75	*

TABLE 51—Dimethyl Benzyl Carbinyl Butyrate

BUTANOIC ACID: 1,1-DIMETHYL-2-PHENYL ESTER
BUTYRIC ACID, ALPHA, ALPHA-DIMETHYL PHENYL ETHYL ESTER
PRUNYL
PRUNELLIS

CHEM. ABSTR. REG. NO. 10094-34-5
C14 H20 O2
MOL. WT. 220.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	125
NUMBER WHO DETECTED ODOR.....	123
PERCENT WHO DETECTED ODOR.....	98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

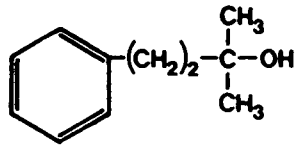
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	13.82	10.39	**
2	LEMON	4.88	2.95	
3	GRAPEFRUIT	0.81	0.36	
4	ORANGE	5.69	4.19	*
5	FRUITY, OTHER THAN CITRUS	39.02	30.44	*******
6	PINEAPPLE	0.81	0.36	
7	GRAPE JUICE	8.94	7.82	*
8	STRAWBERRY	4.88	3.45	
9	APPLE (FRUIT)	0.81	0.36	
10	PEAR	7.32	4.08	*
11	CANTALOUPE, HONEY DEW MELON	3.25	2.18	
12	PEACH (FRUIT)	6.50	4.93	*
13	BANANA	0.81	0.36	
14	FLORAL	12.20	7.97	*
15	ROSE	7.32	3.62	
16	VIOLETS	2.44	1.26	
17	LAVENDER	2.44	1.89	
18	COLOGNE	2.44	1.54	
19	MUSK	5.69	3.85	
20	PERFUMERY	18.70	12.57	***
21	FRAGRANT	33.33	23.16	*****
22	AROMATIC	20.33	12.85	***
23	HONEY	4.07	3.35	
24	CHERRY (BERRY)	12.20	9.02	**
25	ALMOND	4.88	2.82	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	13.01	8.60	**
29	CLOVE	1.63	0.73	
30	CINNAMON	3.25	1.92	
31	LAUREL LEAVES	0.81	0.51	
32	TEA LEAVES	1.63	1.26	
33	SEASONING (FOR MEAT)	1.63	1.03	
34	BLACK PEPPER	2.44	1.89	
35	GREEN PEPPER	1.63	1.54	
36	DILL	0.81	0.63	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.25	1.92	
39	WOODY, RESINOUS	12.20	7.04	*
40	CEDARWOOD	8.13	5.27	*
41	MOTHBALLS	1.63	1.26	
42	MINTY, PEPPERMINT	4.88	2.67	
43	CAMPHOR	3.25	1.92	
44	EUCALIPTUS	2.44	1.89	
45	CHOCOLATE	0.81	0.36	
46	VANILLA	2.44	1.26	
47	SWEET	40.65	28.74	*******
48	MAPLE SYRUP	0.81	0.51	
49	CARAMEL	0.81	0.36	
50	MALTY	0.81	0.36	
51	RAISINS	10.57	7.64	*
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.44	1.67	
55	ALCOHOLIC	0.81	0.36	
56	ETHERISH, ANAESTHETIC	0.81	0.36	
57	CLEANING FLUID	0.81	0.36	
58	GASOLINE, SOLVENT	0.81	0.36	
59	TURPENTINE (PINE OIL)	1.63	0.89	
60	GERANIUM LEAVES	0.81	0.51	
61	CELERY	0.81	0.36	
62	FRESH GREEN VEGETABLES	2.44	1.41	

63	CRUSHED WEEDS	0.81	0.36	
64	CRUSHED GRASS	0.81	0.36	
65	HERBAL, GREEN, CUT GRASS	6.50	3.41	
66	RAW CUCUMBER	1.63	1.03	
67	HAY	0.81	0.51	
68	GRAINY (AS GRAIN)	0.81	0.36	
69	YEASTY	0.81	0.36	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	6.50	3.98	
73	BEERY	2.44	1.54	
74	SOAPY	4.07	3.04	
75	LEATHER	0.81	0.36	
76	CARDBOARD	3.25	2.18	
77	ROPE	1.63	0.73	
78	WET PAPER	0.81	0.36	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.81	0.51	
81	STALE	2.44	1.54	
82	MUSTY, EARTHY, MOLDY	5.69	3.47	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.81	0.51	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.44	1.89	
90	CORK	1.63	0.89	
91	BURNT, SMOKY	4.07	2.15	
92	FRESH TOBACCO SMOKE	2.44	1.09	
93	INCENSE	4.88	3.21	
94	COFFEE	3.25	2.41	
95	STALE TOBACCO SMOKE	2.44	1.09	
96	BURNT PAPER	0.81	0.51	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.63	0.89	
100	CREOSOTE	0.81	0.36	
101	DISINFECTANT, CARBOLIC	3.25	2.41	
102	MEDICINAL	7.32	4.50	*
103	CHEMICAL	3.25	2.06	
104	BITTER	0.81	0.51	
105	SHARP, PUNGENT, ACID	6.50	3.85	
106	SOUR, VINEGAR	8.13	5.27	*
107	SAUERKRAUT	0.81	0.63	
108	AMMONIA	0.81	0.36	
109	URINE	1.63	1.63	
110	CAT URINE	0.81	0.81	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.81	0.63	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.81	0.36	
116	BURNT CANDLE	1.63	0.89	
117	KEROSENE	0.81	0.36	
118	OILY, FATTY	1.63	1.26	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.44	1.26	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.81	0.51	
125	SOUPY	0.81	0.36	
126	COOKED VEGETABLES	2.44	1.26	
127	RANCID	1.63	0.73	
128	SWEATY	4.88	3.45	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.63	1.03	
132	GARLIC, ONION	3.25	2.62	
133	METALLIC	1.63	1.03	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.81	0.36	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.88	3.67	
141	DRY, POWDERY	4.88	3.09	
142	CHALKY	0.00	0.00	
143	LIGHT	25.20	17.65	****
144	HEAVY	8.13	5.86	*
145	COOL, COOLING	12.20	8.91	**
146	WARM	11.38	7.07	

TABLE 52—Dimethyl Phenyl Ethyl Carbinol

2-BUTANOL, 2-METHYL-4-PHENYL

CHEM. ABSTR. REG. NO. 103-05-9
C11 H16 O1
MOL. WT. 164.3



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	128
NUMBER WHO DETECTED ODOR.....	103
PERCENT WHO DETECTED ODOR.....	80

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

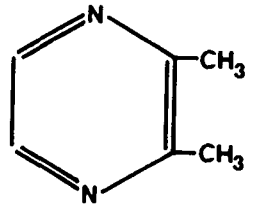
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.83	3.68	
2	LEMON	1.94	0.87	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	5.83	3.68	
5	FRUITY, OTHER THAN CITRUS	9.71	6.87	*
6	PINEAPPLE	1.94	1.23	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.97	0.61	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.97	0.43	
11	CANTALOUPE, HONEY DEW MELON	0.97	0.43	
12	PEACH (FRUIT)	0.97	0.43	
13	BANANA	0.00	0.00	
14	FLORAL	18.45	11.97	**
15	ROSE	4.85	2.75	
16	VIOLETS	1.94	1.06	
17	LAVENDER	0.97	0.43	
18	COLOGNE	6.80	3.81	
19	MUSK	0.00	0.00	
20	PERFUMERY	23.30	14.89	***
21	FRAGRANT	36.89	21.24	*****
22	AROMATIC	11.65	6.73	*
23	HONEY	2.91	2.26	
24	CHERRY (BERRY)	1.94	1.23	
25	ALMOND	2.91	1.84	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.97	0.87	
28	SPICY	6.80	3.63	
29	CLOVE	0.97	0.43	
30	CINNAMON	3.88	2.13	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.97	0.43	
36	DILL	0.97	0.87	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.94	0.87	
39	WOODY, RESINOUS	17.48	10.74	**
40	CEDARWOOD	3.88	1.74	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	1.94	1.06	
44	EUCALIPTUS	0.97	0.61	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.94	1.37	
47	SWEET	26.21	17.48	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.97	0.61	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.97	0.43	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.88	2.75	
56	ETHERISH, ANAESTHETIC	2.91	1.84	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.97	0.43	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.97	0.43	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	1.94	0.87	
65	HERBAL, GREEN, CUT GRASS	10.68	5.76	*
66	RAW CUCUMBER	1.94	1.06	
67	HAY	0.97	0.43	
68	GRAINY (AS GRAIN)	0.97	0.43	
69	YEASTY	0.97	0.43	
70	BAKERY (FRESH BREAD)	0.97	0.43	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.97	0.61	
73	BEERY	1.94	1.23	
74	SOAPY	4.85	2.17	
75	LEATHER	0.97	0.43	
76	CARDBOARD	0.97	0.43	
77	ROPE	0.97	0.61	
78	WET PAPER	0.97	0.61	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.91	1.68	
82	MUSTY, EARTHY, MOLDY	3.88	1.74	
83	RAW POTATO	1.94	0.87	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.94	1.06	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.85	2.38	
90	CORK	0.97	0.43	
91	BURNT, SMOKY	1.94	1.37	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.94	1.23	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.97	0.43	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.97	0.61	
101	DISINFECTANT, CARBOLIC	1.94	1.37	
102	MEDICINAL	2.91	2.26	
103	CHEMICAL	4.85	2.57	
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	3.88	2.30	
106	SOUR, VINEGAR	7.77	4.60	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.88	2.46	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	1.94	0.87	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.88	2.13	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.91	1.99	
121	VARNISH	1.94	1.23	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.97	0.43	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.97	0.61	
127	RANCID	3.88	2.46	
128	SWEATY	2.91	1.68	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.94	1.62	
131	SULFIDIC	1.94	1.06	
132	GARLIC, ONION	4.85	2.91	
133	METALLIC	1.94	1.37	
134	BLOOD, RAW MEAT	0.97	0.43	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.97	0.43	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.97	0.43	
140	SICKENING	1.94	1.06	
141	DRY, POWDERY	2.91	1.30	
142	CHALKY	0.00	0.00	
143	LIGHT	46.60	35.34	********
144	HEAVY	1.94	1.06	
145	COOL, COOLING	5.83	3.83	
146	WARM	9.71	5.49	*

TABLE 53—Dimethyl Pyrazine: 2,3-Dimethyl Pyrazine

PYRAZINE, 2,3-DIMETHYL

CHEM. ABSTR. REG. NO. 5910-89-4
C6 H8 N2
MOL. WT. 108.1



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

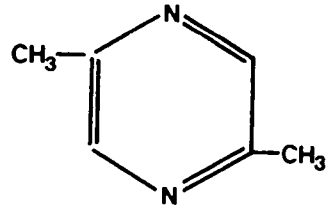
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.71	0.32	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.71	0.55	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.71	0.32	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.71	0.32	
19	MUSK	5.00	2.80	
20	PERFUMERY	0.71	0.32	
21	FRAGRANT	10.00	7.07	*
22	AROMATIC	18.57	13.23	***
23	HONEY	0.71	0.55	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	27.14	18.68	****
26	NAIL POLISH REMOVER	2.86	2.02	
27	NUTTY (WALNUT ETC)	40.71	29.83	*******
28	SPICY	5.00	2.93	
29	CLOVE	0.71	0.45	
30	CINNAMON	1.43	0.78	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.71	0.32	
35	GREEN PEPPER	0.71	0.32	
36	DILL	0.71	0.45	
37	CARAWAY	1.43	0.64	
38	OAK WOOD, COGNAC	4.29	2.47	
39	WOODY, RESINOUS	27.14	18.05	****
40	CEDARWOOD	2.14	1.24	
41	MOTHBALLS	0.71	0.32	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	1.43	0.78	
44	EUCALIPTUS	0.71	0.32	
45	CHOCOLATE	5.00	3.05	
46	VANILLA	1.43	0.78	
47	SWEET	11.43	7.45	*
48	MAPLE SYRUP	0.71	0.32	
49	CARAMEL	3.57	1.89	
50	MALTY	15.00	9.71	**
51	RAISINS	0.00	0.00	
52	MOLASSES	0.71	0.45	
53	COCONUT	2.14	0.96	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.14	1.36	
56	ETHERISH, ANAESTHETIC	3.57	1.89	
57	CLEANING FLUID	0.71	0.32	
58	GASOLINE, SOLVENT	1.43	0.64	
59	TURPENTINE (PINE OIL)	1.43	0.90	
60	GERANIUM LEAVES	0.71	0.32	
61	CELERY	0.71	0.45	
62	FRESH GREEN VEGETABLES	1.43	0.64	

63	CRUSHED WEEDS	1.43	0.90	
64	CRUSHED GRASS	1.43	0.90	
65	HERBAL, GREEN, CUT GRASS	3.57	1.89	
66	RAW CUCUMBER	2.14	1.36	
67	HAY	5.71	3.26	
68	GRAINY (AS GRAIN)	10.00	6.97	*
69	YEASTY	5.71	2.86	
70	BAKERY (FRESH BREAD)	1.43	0.78	
71	SOUR MILK	0.71	0.32	
72	FERMENTED (ROTTEN) FRUIT	2.14	0.96	
73	BEERY	0.71	0.32	
74	SOAPY	0.71	0.32	
75	LEATHER	5.00	2.93	
76	CARDBOARD	7.14	4.52	*
77	ROPE	3.57	2.14	
78	WET PAPER	4.29	2.07	
79	WET WOOL, WET DOG	7.14	4.95	*
80	DIRTY LINEN	3.57	2.47	
81	STALE	18.57	11.75	**
82	MUSTY, EARTHY, MOLDY	31.43	22.02	*****
83	RAW POTATO	5.00	2.93	
84	MOUSE	1.43	0.78	
85	MUSHROOM	2.86	1.69	
86	PEANUT BUTTER	46.43	37.94	*********
87	BEANY	1.43	0.90	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.14	4.74	*
90	CORK	4.29	2.07	
91	BURNT, SMOKY	32.14	20.44	*****
92	FRESH TOBACCO SMOKE	1.43	1.01	
93	INCENSE	0.71	0.64	
94	COFFEE	2.86	1.69	
95	STALE TOBACCO SMOKE	3.57	2.14	
96	BURNT PAPER	5.71	3.61	
97	BURNT MILK	0.71	0.32	
98	BURNT RUBBER	2.14	1.56	
99	TAR	2.86	1.69	
100	CREOSOTE	2.14	1.56	
101	DISINFECTANT, CARBOLIC	0.71	0.32	
102	MEDICINAL	2.86	1.56	
103	CHEMICAL	10.71	7.82	*
104	BITTER	2.14	1.46	
105	SHARP, PUNGENT, ACID	9.29	5.87	*
106	SOUR, VINEGAR	5.71	3.61	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.14	0.96	
109	URINE	0.00	0.00	
110	CAT URINE	1.43	0.64	
111	FISHY	0.71	0.45	
112	KIPPERY (SMOKED FISH)	0.71	0.32	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	1.43	0.78	
116	BURNT CANDLE	1.43	0.64	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	29.29	18.29	****
119	BUTTERY, FRESH BUTTER	5.71	3.13	
120	PAINT	3.57	2.95	
121	VARNISH	2.14	0.96	
122	POPCORN	22.86	15.96	***
123	FRIED CHICKEN	0.71	0.32	
124	MEATY (COOKED, GOOD)	6.43	4.29	*
125	SOUPY	0.71	0.32	
126	COOKED VEGETABLES	1.43	0.78	
127	RANCID	18.57	11.52	**
128	SWEATY	17.14	10.73	**
129	CHEESY	1.43	0.64	
130	HOUSEHOLD GAS	0.71	0.32	
131	SULFIDIC	3.57	1.75	
132	GARLIC, ONION	1.43	0.64	
133	METALLIC	0.71	0.32	
134	BLOOD, RAW MEAT	0.71	0.45	
135	ANIMAL	6.43	4.79	*
136	SEWER	2.86	1.43	
137	PUTRID, FOUL, DECAYED	11.43	8.08	**
138	FECAL (LIKE MANURE)	6.43	3.71	
139	CADAVEROUS (DEAD ANIMAL)	5.71	4.04	*
140	SICKENING	15.00	10.76	**
141	DRY, POWDERY	17.86	10.95	**
142	CHALKY	5.71	3.26	
143	LIGHT	2.86	1.81	
144	HEAVY	32.14	23.57	*****
145	COOL, COOLING	0.00	0.00	
146	WARM	17.14	11.39	**

TABLE 54—Dimethyl Pyrazine: 2,5-Dimethyl Pyrazine

PYRAZINE, 2,5-DIMETHYL-

CHEM. ABSTR. REG. NO. 123-32-0
C6 H8 N2
MOL. WT. 108.1



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	148
NUMBER WHO DETECTED ODOR.....	148
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

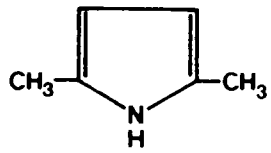
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.68	0.60	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.68	0.30	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.35	1.28	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.35	0.85	
11	CANTALOUPE, HONEY DEW MELON	0.68	0.30	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	2.03	1.28	
14	FLORAL	1.35	0.85	
15	ROSE	0.68	0.30	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	2.03	1.28	
19	MUSK	4.73	2.40	
20	PERFUMERY	5.41	3.63	
21	FRAGRANT	16.89	11.31	**
22	AROMATIC	25.68	19.62	****
23	HONEY	0.68	0.43	
24	CHERRY (BERRY)	0.68	0.43	
25	ALMOND	8.78	4.99	*
26	NAIL POLISH REMOVER	14.19	9.99	**
27	NUTTY (WALNUT ETC)	10.14	7.12	*
28	SPICY	3.38	1.79	
29	CLOVE	0.00	0.00	
30	CINNAMON	1.35	0.85	
31	LAUREL LEAVES	0.68	0.30	
32	TEA LEAVES	2.70	1.48	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.35	0.74	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.68	0.43	
37	CARAWAY	1.35	0.74	
38	OAK WOOD, COGNAC	8.78	5.34	*
39	WOODY, RESINOUS	28.38	17.84	****
40	CEDARWOOD	7.43	4.25	*
41	MOTHBALLS	6.08	3.01	
42	MINTY, PEPPERMINT	2.03	1.28	
43	CAMPHOR	8.78	5.34	*
44	EUCALIPTUS	3.38	2.34	
45	CHOCOLATE	4.73	3.58	
46	VANILLA	2.03	1.05	
47	SWEET	7.43	4.13	*
48	MAPLE SYRUP	0.68	0.30	
49	CARAMEL	0.00	0.00	
50	MALTY	2.70	1.71	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.03	1.28	
54	ANISE (LICORICE)	1.35	0.60	
55	ALCOHOLIC	23.65	17.97	****
56	ETHERISH, ANAESTHETIC	52.03	41.08	**********
57	CLEANING FLUID	12.16	8.11	**
58	GASOLINE, SOLVENT	15.54	10.04	**
59	TURPENTINE (PINE OIL)	10.14	7.02	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.68	0.52	

63	CRUSHED WEEDS	6.08	3.95	
64	CRUSHED GRASS	1.35	0.85	
65	HERBAL, GREEN, CUT GRASS	8.78	5.97	*
66	RAW CUCUMBER	1.35	0.60	
67	HAY	3.38	2.03	
68	GRAINY (AS GRAIN)	2.70	1.71	
69	YEASTY	3.38	1.66	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.35	0.60	
73	BEERY	0.00	0.00	
74	SOAPY	2.70	1.60	
75	LEATHER	4.05	2.45	
76	CARDBOARD	4.05	2.34	
77	ROPE	0.68	0.43	
78	WET PAPER	4.05	2.34	
79	WET WOOL, WET DOG	2.03	1.05	
80	DIRTY LINEN	0.68	0.43	
81	STALE	6.76	4.48	*
82	MUSTY, EARTHY, MOLDY	22.97	15.16	***
83	RAW POTATO	2.70	1.48	
84	MOUSE	1.35	0.60	
85	MUSHROOM	1.35	0.85	
86	PEANUT BUTTER	8.11	6.78	*
87	BEANY	2.70	1.71	
88	EGGY (FRESH EGGS)	0.68	0.68	
89	BARK, BIRCH BARK	6.76	4.05	*
90	CORK	4.73	2.40	
91	BURNT, SMOKY	14.19	9.19	**
92	FRESH TOBACCO SMOKE	0.68	0.30	
93	INCENSE	2.70	2.00	
94	COFFEE	1.35	0.60	
95	STALE TOBACCO SMOKE	2.03	0.91	
96	BURNT PAPER	2.70	1.35	
97	BURNT MILK	0.68	0.30	
98	BURNT RUBBER	0.68	0.52	
99	TAR	5.41	3.31	
100	CREOSOTE	6.08	3.63	
101	DISINFECTANT, CARBOLIC	18.24	10.88	**
102	MEDICINAL	31.08	23.10	*****
103	CHEMICAL	31.76	23.98	*****
104	BITTER	7.43	4.59	*
105	SHARP, PUNGENT, ACID	22.97	16.81	****
106	SOUR, VINEGAR	8.78	5.11	*
107	SAUERKRAUT	0.68	0.30	
108	AMMONIA	10.14	6.08	*
109	URINE	0.00	0.00	
110	CAT URINE	1.35	0.74	
111	FISHY	2.03	1.05	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.68	0.43	
114	NEW RUBBER	0.68	0.68	
115	SOOTY	1.35	0.74	
116	BURNT CANDLE	2.70	1.21	
117	KEROSENE	4.73	3.10	
118	OILY, FATTY	9.46	5.98	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	14.86	9.61	**
121	VARNISH	8.11	5.23	*
122	POPCORN	1.35	0.85	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.35	0.85	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.68	0.52	
127	RANCID	3.38	1.91	
128	SWEATY	8.11	5.13	*
129	CHEESY	1.35	0.74	
130	HOUSEHOLD GAS	2.70	1.71	
131	SULFIDIC	6.76	4.27	*
132	GARLIC, ONION	0.68	0.30	
133	METALLIC	4.05	2.45	
134	BLOOD, RAW MEAT	0.68	0.30	
135	ANIMAL	0.68	0.52	
136	SEWER	2.03	1.38	
137	PUTRID, FOUL, DECAYED	8.78	5.45	*
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.68	0.30	
140	SICKENING	18.24	13.32	***
141	DRY, POWDERY	6.08	3.51	
142	CHALKY	0.68	0.43	
143	LIGHT	16.22	11.18	**
144	HEAVY	26.35	19.43	****
145	COOL, COOLING	16.22	11.18	**
146	WARM	6.76	4.97	*

TABLE 55—Dimethyl Pyrrole: 2,5-Dimethyl Pyrrole

PYRROLE, 2,5-DIMETHYL

CHEM. ABSTR. REG. NO. 625-84-3
C6 H9 N1
MOL. WT. 95.2



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	138
NUMBER WHO DETECTED ODOR.....	131
PERCENT WHO DETECTED ODOR.....	95

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.76	0.48	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.76	0.34	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	3.82	2.29	
20	PERFUMERY	0.76	0.34	
21	FRAGRANT	8.40	4.80	*
22	AROMATIC	12.21	7.72	*
23	HONEY	0.76	0.34	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	19.08	13.76	***
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	22.90	16.51	****
28	SPICY	3.05	1.37	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.76	0.34	
34	BLACK PEPPER	0.76	0.34	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	1.53	0.68	
38	OAK WOOD, COGNAC	3.82	2.02	
39	WOODY, RESINOUS	29.77	19.19	****
40	CEDARWOOD	3.05	1.37	
41	MOTHBALLS	0.76	0.34	
42	MINTY, PEPPERMINT	0.76	0.76	
43	CAMPHOR	0.76	0.68	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	3.05	2.05	
46	VANILLA	2.29	1.45	
47	SWEET	11.45	7.36	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.76	0.48	
50	MALTY	4.58	2.51	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.76	0.48	
53	COCONUT	1.53	0.84	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.53	0.68	
56	ETHERISH, ANAESTHETIC	3.05	2.16	
57	CLEANING FLUID	3.05	1.67	
58	GASOLINE, SOLVENT	3.82	2.29	
59	TURPENTINE (PINE OIL)	7.63	4.71	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.76	0.34	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.76	0.34	
64	CRUSHED GRASS	0.76	0.48	
65	HERBAL, GREEN, CUT GRASS	2.29	1.18	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	4.58	2.21	
69	YEASTY	0.76	0.34	
70	BAKERY (FRESH BREAD)	6.11	3.48	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.76	0.34	
73	BEERY	0.00	0.00	
74	SOAPY	1.53	0.68	
75	LEATHER	0.00	0.00	
76	CARDBOARD	3.82	2.16	
77	ROPE	0.76	0.59	
78	WET PAPER	1.53	0.84	
79	WET WOOL, WET DOG	3.05	1.67	
80	DIRTY LINEN	2.29	1.77	
81	STALE	6.87	4.35	*
82	MUSTY, EARTHY, MOLDY	15.27	9.41	**
83	RAW POTATO	0.76	0.59	
84	MOUSE	2.29	1.67	
85	MUSHROOM	2.29	1.87	
86	PEANUT BUTTER	8.40	6.50	*
87	BEANY	0.76	0.34	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.05	1.93	
90	CORK	3.82	2.02	
91	BURNT, SMOKY	38.17	27.20	******
92	FRESH TOBACCO SMOKE	0.76	0.59	
93	INCENSE	1.53	0.84	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	5.34	3.00	
96	BURNT PAPER	11.45	7.24	*
97	BURNT MILK	1.53	0.84	
98	BURNT RUBBER	3.05	1.93	
99	TAR	3.82	2.02	
100	CREOSOTE	2.29	1.56	
101	DISINFECTANT, CARBOLIC	0.76	0.48	
102	MEDICINAL	1.53	0.97	
103	CHEMICAL	6.87	4.46	*
104	BITTER	3.05	1.37	
105	SHARP, PUNGENT, ACID	3.82	2.64	
106	SOUR, VINEGAR	4.58	3.02	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.53	0.84	
109	URINE	2.29	1.02	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	1.53	0.97	
114	NEW RUBBER	3.05	1.53	
115	SOOTY	4.58	3.02	
116	BURNT CANDLE	1.53	0.84	
117	KEROSENE	0.76	0.34	
118	OILY, FATTY	30.53	19.55	****
119	BUTTERY, FRESH BUTTER	13.74	8.93	**
120	PAINT	4.58	3.64	
121	VARNISH	3.05	2.05	
122	POPCORN	23.66	17.73	****
123	FRIED CHICKEN	3.05	1.37	
124	MEATY (COOKED, GOOD)	3.05	1.67	
125	SOUPY	0.76	0.48	
126	COOKED VEGETABLES	1.53	0.68	
127	RANCID	8.40	4.94	*
128	SWEATY	10.69	6.88	*
129	CHEESY	1.53	0.68	
130	HOUSEHOLD GAS	0.76	0.34	
131	SULFIDIC	3.05	1.67	
132	GARLIC, ONION	2.29	1.32	
133	METALLIC	2.29	1.45	
134	BLOOD, RAW MEAT	2.29	1.77	
135	ANIMAL	3.05	2.16	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	5.34	3.50	
138	FECAL (LIKE MANURE)	1.53	0.68	
139	CADAVEROUS (DEAD ANIMAL)	0.76	0.34	
140	SICKENING	14.50	9.53	**
141	DRY, POWDERY	11.45	6.87	*
142	CHALKY	0.00	0.00	
143	LIGHT	10.69	7.45	*
144	HEAVY	25.95	18.99	****
145	COOL, COOLING	3.82	2.41	
146	WARM	18.32	13.48	***

TABLE 56—Dimethyl Trisulfide

TRISULFIDE, METHYL
METHYL TRISULFIDE

CHEM. ABSTR. REG. NO. 3658-80-8
C2 H6 S3
MOL. WT. 126.0

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 136
PERCENT WHO DETECTED ODOR..... 97

$CH_3-S-S-S-CH_3$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.74	0.57	
2	LEMON	1.47	1.04	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.74	0.33	
5	FRUITY, OTHER THAN CITRUS	0.74	0.47	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	2.94	1.86	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.74	0.47	
12	PEACH (FRUIT)	0.74	0.57	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.74	0.57	
19	MUSK	4.41	2.67	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	3.68	2.85	
22	AROMATIC	12.50	9.10	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.68	2.08	
26	NAIL POLISH REMOVER	0.74	0.33	
27	NUTTY (WALNUT ETC)	1.47	0.66	
28	SPICY	14.71	10.40	**
29	CLOVE	1.47	0.93	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	13.97	10.82	**
34	BLACK PEPPER	6.62	3.95	
35	GREEN PEPPER	0.74	0.33	
36	DILL	2.94	1.74	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.47	0.93	
39	WOODY, RESINOUS	10.29	6.15	*
40	CEDARWOOD	2.21	0.99	
41	MOTHBALLS	0.74	0.33	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.74	0.47	
44	EUCALIPTUS	0.74	0.33	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	3.68	2.55	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.74	0.33	
50	MALTY	2.21	1.40	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	4.41	2.79	
57	CLEANING FLUID	1.47	0.81	
58	GASOLINE, SOLVENT	0.74	0.47	
59	TURPENTINE (PINE OIL)	1.47	0.93	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.47	0.93	

63	CRUSHED WEEDS	1.47	0.66	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	3.68	2.08	
66	RAW CUCUMBER	0.74	0.47	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.74	0.57	
69	YEASTY	2.94	1.61	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	3.68	1.95	
72	FERMENTED (ROTTEN) FRUIT	4.41	2.79	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	2.94	1.32	
76	CARDBOARD	5.88	4.46	*
77	ROPE	2.94	1.32	
78	WET PAPER	1.47	1.04	
79	WET WOOL, WET DOG	6.62	4.19	*
80	DIRTY LINEN	10.29	5.36	*
81	STALE	11.03	7.09	*
82	MUSTY, EARTHY, MOLDY	19.12	11.97	**
83	RAW POTATO	2.21	1.14	
84	MOUSE	4.41	2.42	
85	MUSHROOM	2.94	1.86	
86	PEANUT BUTTER	0.74	0.33	
87	BEANY	2.94	1.61	
88	EGGY (FRESH EGGS)	1.47	0.81	
89	BARK, BIRCH BARK	0.00	0.00	
90	CORK	2.21	1.27	
91	BURNT, SMOKY	24.26	15.92	***
92	FRESH TOBACCO SMOKE	2.21	1.14	
93	INCENSE	0.74	0.57	
94	COFFEE	1.47	0.81	
95	STALE TOBACCO SMOKE	4.41	3.01	
96	BURNT PAPER	2.94	1.61	
97	BURNT MILK	1.47	0.66	
98	BURNT RUBBER	5.88	4.16	*
99	TAR	2.21	0.99	
100	CREOSOTE	1.47	0.93	
101	DISINFECTANT, CARBOLIC	1.47	0.93	
102	MEDICINAL	2.21	1.14	
103	CHEMICAL	6.62	3.82	
104	BITTER	3.68	1.80	
105	SHARP, PUNGENT, ACID	18.38	13.26	***
106	SOUR, VINEGAR	22.06	14.52	***
107	SAUERKRAUT	13.97	10.03	**
108	AMMONIA	3.68	2.21	
109	URINE	4.41	2.79	
110	CAT URINE	2.21	1.40	
111	FISHY	4.41	2.28	
112	KIPPERY (SMOKED FISH)	2.21	1.14	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.47	1.14	
115	SOOTY	2.94	1.47	
116	BURNT CANDLE	1.47	0.81	
117	KEROSENE	1.47	0.93	
118	OILY, FATTY	18.38	10.40	**
119	BUTTERY, FRESH BUTTER	1.47	1.04	
120	PAINT	0.74	0.33	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	1.47	0.93	
124	MEATY (COOKED, GOOD)	15.44	9.88	**
125	SOUPY	2.94	1.86	
126	COOKED VEGETABLES	14.71	9.64	**
127	RANCID	17.65	12.27	***
128	SWEATY	23.53	13.92	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	13.24	9.25	**
131	SULFIDIC	22.06	14.96	***
132	GARLIC, ONION	32.35	27.68	******
133	METALLIC	6.62	5.03	*
134	BLOOD, RAW MEAT	14.71	9.30	**
135	ANIMAL	5.15	3.37	
136	SEWER	15.44	10.44	**
137	PUTRID, FOUL, DECAYED	28.68	20.84	*****
138	FECAL (LIKE MANURE)	16.18	10.35	**
139	CADAVEROUS (DEAD ANIMAL)	11.76	8.21	**
140	SICKENING	40.44	28.54	*******
141	DRY, POWDERY	5.88	3.08	
142	CHALKY	0.00	0.00	
143	LIGHT	3.68	2.08	
144	HEAVY	29.41	21.81	*****
145	COOL, COOLING	1.47	0.66	
146	WARM	13.24	9.04	**

TABLE 57—Diola

HEXANE, 2-METHOXY
2-METHOXY HEXANE
HEXYL METHYL ETHER
ETHER, HEXYL METHYL

CHEM. ABSTR. REG. NO. 4747-07-3
C7 H16 O1
MOL. WT. 116.1

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 127
NUMBER WHO DETECTED ODOR..... 125
PERCENT WHO DETECTED ODOR..... 98

$CH_3(CH_2)_5OCH_3$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

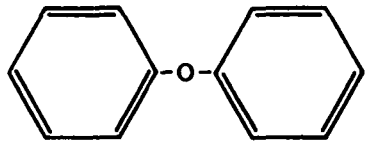
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.40	1.24	
2	LEMON	0.80	0.51	
3	GRAPEFRUIT	0.80	0.80	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	13.60	10.43	**
6	PINEAPPLE	3.20	2.02	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	5.60	3.79	
11	CANTALOUPE, HONEY DEW MELON	0.80	0.80	
12	PEACH (FRUIT)	1.60	0.72	
13	BANANA	6.40	4.96	*
14	FLORAL	4.80	2.32	
15	ROSE	0.80	0.62	
16	VIOLETS	1.60	0.72	
17	LAVENDER	2.40	1.52	
18	COLOGNE	1.60	0.72	
19	MUSK	0.80	0.62	
20	PERFUMERY	10.40	6.05	*
21	FRAGRANT	24.00	16.28	****
22	AROMATIC	25.60	18.77	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.80	0.80	
25	ALMOND	0.80	0.51	
26	NAIL POLISH REMOVER	16.80	12.59	***
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	4.00	2.53	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.80	0.51	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.80	0.36	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.80	0.51	
38	OAK WOOD, COGNAC	0.80	0.36	
39	WOODY, RESINOUS	11.20	6.96	*
40	CEDARWOOD	1.60	1.24	
41	MOTHBALLS	2.40	1.75	
42	MINTY, PEPPERMINT	4.00	2.53	
43	CAMPHOR	2.40	1.24	
44	EUCALIPTUS	0.80	0.62	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.80	0.36	
47	SWEET	22.40	14.42	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.40	1.24	
54	ANISE (LICORICE)	0.80	0.36	
55	ALCOHOLIC	17.60	13.21	***
56	ETHERISH, ANAESTHETIC	29.60	22.30	*****
57	CLEANING FLUID	12.80	9.05	**
58	GASOLINE, SOLVENT	16.80	11.71	**
59	TURPENTINE (PINE OIL)	16.00	11.43	**
60	GERANIUM LEAVES	0.80	0.51	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.40	1.52	
64	CRUSHED GRASS	0.80	0.51	
65	HERBAL, GREEN, CUT GRASS	10.40	7.52	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.80	0.36	
68	GRAINY (AS GRAIN)	0.80	0.62	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.80	0.51	
72	FERMENTED (ROTTEN) FRUIT	5.60	4.44	*
73	BEERY	0.00	0.00	
74	SOAPY	1.60	1.01	
75	LEATHER	0.80	0.36	
76	CARDBOARD	1.60	1.01	
77	ROPE	0.00	0.00	
78	WET PAPER	1.60	1.01	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.80	0.51	
81	STALE	0.80	0.51	
82	MUSTY, EARTHY, MOLDY	5.60	4.34	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.60	1.01	
90	CORK	2.40	1.39	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.80	0.72	
93	INCENSE	1.60	1.34	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.80	0.36	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.80	0.36	
100	CREOSOTE	3.20	2.37	
101	DISINFECTANT, CARBOLIC	12.00	8.20	**
102	MEDICINAL	23.20	17.66	****
103	CHEMICAL	26.40	20.55	*****
104	BITTER	1.60	1.34	
105	SHARP, PUNGENT, ACID	14.40	10.63	**
106	SOUR, VINEGAR	6.40	4.17	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	7.20	5.37	*
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	3.20	1.75	
117	KEROSENE	4.80	3.39	
118	OILY, FATTY	8.00	4.80	*
119	BUTTERY, FRESH BUTTER	0.80	0.36	
120	PAINT	33.60	26.13	******
121	VARNISH	9.60	7.44	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.60	0.88	
128	SWEATY	3.20	2.02	
129	CHEESY	0.80	0.51	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.80	0.62	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	7.20	5.37	*
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	5.60	3.90	
141	DRY, POWDERY	3.20	1.89	
142	CHALKY	0.00	0.00	
143	LIGHT	21.60	14.40	***
144	HEAVY	15.20	11.35	**
145	COOL, COOLING	9.60	6.20	*
146	WARM	8.80	6.82	

TABLE 58—Diphenyl Oxide

BENZENE,1,1'-OXYBIS-
ETHER, DIPHENYL
PHENYL ETHER

CHEM. ABSTR. REG. NO. 101-84-8
C12 H10 O1
MOL. WT. 170.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	8.57	5.53	*
2	LEMON	5.71	3.13	
3	GRAPEFRUIT	2.86	1.43	
4	ORANGE	5.00	2.80	
5	FRUITY, OTHER THAN CITRUS	5.00	3.05	
6	PINEAPPLE	1.43	0.64	
7	GRAPE JUICE	0.71	0.45	
8	STRAWBERRY	2.14	1.36	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	2.14	1.11	
12	PEACH (FRUIT)	0.71	0.55	
13	BANANA	0.71	0.32	
14	FLORAL	15.71	10.38	**
15	ROSE	7.14	5.05	*
16	VIOLETS	2.14	1.56	
17	LAVENDER	5.00	3.38	
18	COLOGNE	2.86	1.56	
19	MUSK	5.00	2.54	
20	PERFUMERY	17.14	11.39	**
21	FRAGRANT	37.14	26.76	******
22	AROMATIC	37.86	27.91	******
23	HONEY	0.71	0.32	
24	CHERRY (BERRY)	2.86	1.56	
25	ALMOND	3.57	2.14	
26	NAIL POLISH REMOVER	5.71	3.83	
27	NUTTY (WALNUT ETC)	0.71	0.45	
28	SPICY	14.29	8.92	**
29	CLOVE	3.57	1.89	
30	CINNAMON	0.71	0.45	
31	LAUREL LEAVES	3.57	2.14	
32	TEA LEAVES	2.14	1.36	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	2.14	1.46	
35	GREEN PEPPER	1.43	0.78	
36	DILL	2.14	1.24	
37	CARAWAY	2.14	1.11	
38	OAK WOOD, COGNAC	3.57	2.26	
39	WOODY, RESINOUS	32.14	21.21	*****
40	CEDARWOOD	10.71	6.78	*
41	MOTHBALLS	5.00	2.80	
42	MINTY, PEPPERMINT	12.86	8.02	**
43	CAMPHOR	11.43	6.88	*
44	EUCALIPTUS	7.86	4.74	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.71	0.32	
47	SWEET	20.71	13.65	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.71	0.45	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.86	1.81	
55	ALCOHOLIC	1.43	0.64	
56	ETHERISH, ANAESTHETIC	16.43	10.61	**
57	CLEANING FLUID	13.57	8.24	**
58	GASOLINE, SOLVENT	14.29	8.81	**
59	TURPENTINE (PINE OIL)	19.29	10.63	**
60	GERANIUM LEAVES	10.71	7.92	*
61	CELERY	3.57	2.47	
62	FRESH GREEN VEGETABLES	5.71	3.13	

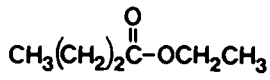
63	CRUSHED WEEDS	10.71	6.43	*
64	CRUSHED GRASS	7.86	4.86	*
65	HERBAL, GREEN, CUT GRASS	30.71	21.26	*****
66	RAW CUCUMBER	0.71	0.45	
67	HAY	1.43	0.78	
68	GRAINY (AS GRAIN)	2.86	1.56	
69	YEASTY	1.43	1.01	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.71	0.32	
73	BEERY	0.00	0.00	
74	SOAPY	13.57	9.75	**
75	LEATHER	5.00	3.05	
76	CARDBOARD	2.86	1.28	
77	ROPE	0.71	0.32	
78	WET PAPER	2.86	1.69	
79	WET WOOL, WET DOG	1.43	1.01	
80	DIRTY LINEN	1.43	0.90	
81	STALE	1.43	0.64	
82	MUSTY, EARTHY, MOLDY	12.86	8.02	**
83	RAW POTATO	1.43	0.78	
84	MOUSE	0.00	0.00	
85	MUSHROOM	1.43	0.90	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.71	0.32	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.86	1.56	
90	CORK	3.57	1.89	
91	BURNT, SMOKY	9.29	5.28	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.00	2.80	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.86	1.56	
96	BURNT PAPER	2.14	1.11	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.14	1.56	
99	TAR	2.86	1.81	
100	CREOSOTE	8.57	4.95	*
101	DISINFECTANT, CARBOLIC	15.71	10.49	**
102	MEDICINAL	12.14	7.21	*
103	CHEMICAL	34.29	25.43	******
104	BITTER	5.71	3.94	
105	SHARP, PUNGENT, ACID	32.86	21.77	*****
106	SOUR, VINEGAR	12.86	7.55	*
107	SAUERKRAUT	1.43	0.64	
108	AMMONIA	2.86	1.92	
109	URINE	0.00	0.00	
110	CAT URINE	0.71	0.32	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.71	0.32	
113	SEMINAL, SPERM-LIKE	0.71	0.45	
114	NEW RUBBER	3.57	2.37	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	2.14	0.96	
117	KEROSENE	5.71	3.26	
118	OILY, FATTY	16.43	9.44	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	17.14	10.61	**
121	VARNISH	6.43	3.83	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	7.86	4.37	*
128	SWEATY	7.86	5.40	*
129	CHEESY	2.14	1.11	
130	HOUSEHOLD GAS	1.43	0.64	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	13.57	9.24	**
134	BLOOD, RAW MEAT	1.43	0.78	
135	ANIMAL	0.71	0.55	
136	SEWER	2.14	1.84	
137	PUTRID, FOUL, DECAYED	1.43	1.01	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.71	0.64	
140	SICKENING	6.43	3.46	
141	DRY, POWDERY	8.57	5.07	*
142	CHALKY	0.71	0.32	
143	LIGHT	21.43	14.64	***
144	HEAVY	21.43	16.23	****
145	COOL, COOLING	21.43	13.21	***
146	WARM	11.43	8.38	**

TABLE 59—Ethyl Butyrate

BUTYRIC ACID ETHYL ESTER

CHEM. ABSTR. REG. NO. 105-54-4
C6 H12 O2
MOL. WT. 116.2

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 138
PERCENT WHO DETECTED ODOR..... 99



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	22.46	17.49	****
2	LEMON	7.97	5.04	*
3	GRAPEFRUIT	2.90	1.59	
4	ORANGE	15.94	11.17	**
5	FRUITY, OTHER THAN CITRUS	65.22	55.59	**********
6	PINEAPPLE	22.46	15.63	***
7	GRAPE JUICE	21.01	17.10	****
8	STRAWBERRY	33.33	23.36	*****
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	13.04	7.53	*
11	CANTALOUPE, HONEY DEW MELON	18.84	12.58	***
12	PEACH (FRUIT)	15.22	8.27	**
13	BANANA	15.22	9.51	**
14	FLORAL	21.01	13.40	***
15	ROSE	5.07	2.97	
16	VIOLETS	5.07	2.57	
17	LAVENDER	4.35	2.38	
18	COLOGNE	5.80	3.18	
19	MUSK	0.00	0.00	
20	PERFUMERY	23.19	15.66	***
21	FRAGRANT	63.04	45.94	**********
22	AROMATIC	40.58	31.06	*******
23	HONEY	5.07	2.84	
24	CHERRY (BERRY)	31.88	23.05	*****
25	ALMOND	5.07	3.21	
26	NAIL POLISH REMOVER	0.72	0.32	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	6.52	3.77	
29	CLOVE	1.45	0.79	
30	CINNAMON	1.45	0.65	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.45	0.65	
39	WOODY, RESINOUS	3.62	1.92	
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	5.07	2.84	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	1.45	0.79	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	4.35	2.63	
47	SWEET	65.94	53.90	**********
48	MAPLE SYRUP	2.90	1.59	
49	CARAMEL	4.35	2.86	
50	MALTY	2.17	1.37	
51	RAISINS	2.17	1.37	
52	MOLASSES	1.45	0.79	
53	COCONUT	2.17	0.97	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.90	1.71	
56	ETHERISH, ANAESTHETIC	5.07	2.43	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	1.45	0.92	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

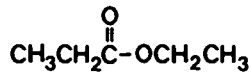
63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	1.45	0.65	
65	HERBAL, GREEN, CUT GRASS	5.80	3.67	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	5.07	3.83	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	2.17	1.68	
72	FERMENTED (ROTTEN) FRUIT	3.62	2.40	
73	BEERY	1.45	1.21	
74	SOAPY	0.72	0.32	
75	LEATHER	0.72	0.46	
76	CARDBOARD	0.72	0.32	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.72	0.32	
80	DIRTY LINEN	0.72	0.32	
81	STALE	0.72	0.46	
82	MUSTY, EARTHY, MOLDY	5.07	2.57	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.72	0.32	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	1.45	1.30	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.80	3.89	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.17	1.12	
102	MEDICINAL	2.90	1.83	
103	CHEMICAL	2.90	1.59	
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	8.70	5.83	*
106	SOUR, VINEGAR	10.14	6.86	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.72	0.32	
110	CAT URINE	0.00	0.00	
111	FISHY	0.72	0.72	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.72	0.32	
118	OILY, FATTY	5.80	3.04	
119	BUTTERY, FRESH BUTTER	3.62	2.05	
120	PAINT	1.45	0.65	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.72	0.56	
127	RANCID	5.80	3.43	
128	SWEATY	7.97	5.15	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.17	1.12	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.72	0.46	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	2.90	1.71	
137	PUTRID, FOUL, DECAYED	4.35	2.63	
138	FECAL (LIKE MANURE)	0.72	0.56	
139	CADAVEROUS (DEAD ANIMAL)	1.45	0.79	
140	SICKENING	7.25	4.70	*
141	DRY, POWDERY	4.35	2.25	
142	CHALKY	0.00	0.00	
143	LIGHT	32.61	22.59	*****
144	HEAVY	19.57	13.89	***
145	COOL, COOLING	15.94	10.75	**
146	WARM	9.42	5.84	*

TABLE 60—Ethyl Propionate

PROPANOIC ACID: ETHYL ESTER
PROPIONIC ACID: ETHYL ESTER
PROPIONATE, ETHYL

CHEM. ABSTR. REG. NO. 105-37-3
C5 H10 02
MOL. WT. 102.1

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

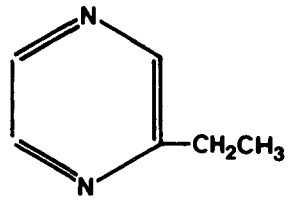
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	7.19	5.19	*
2	LEMON	5.04	2.95	
3	GRAPEFRUIT	0.72	0.46	
4	ORANGE	6.47	4.10	*
5	FRUITY, OTHER THAN CITRUS	37.41	29.44	*******
6	PINEAPPLE	13.67	10.11	**
7	GRAPE JUICE	2.16	1.67	
8	STRAWBERRY	5.76	3.75	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	5.76	3.15	
11	CANTALOUPE, HONEY DEW MELON	3.60	2.49	
12	PEACH (FRUIT)	3.60	2.59	
13	BANANA	7.19	4.55	*
14	FLORAL	9.35	6.25	*
15	ROSE	1.44	0.64	
16	VIOLETS	0.72	0.32	
17	LAVENDER	1.44	1.02	
18	COLOGNE	2.16	1.47	
19	MUSK	2.16	1.25	
20	PERFUMERY	13.67	9.41	**
21	FRAGRANT	42.45	30.37	*******
22	AROMATIC	33.81	25.15	******
23	HONEY	6.47	3.48	
24	CHERRY (BERRY)	10.07	6.81	*
25	ALMOND	6.47	3.98	
26	NAIL POLISH REMOVER	5.04	4.17	*
27	NUTTY (WALNUT ETC)	5.04	3.51	
28	SPICY	7.91	5.54	*
29	CLOVE	4.32	2.23	
30	CINNAMON	0.72	0.46	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.44	0.64	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.72	0.32	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.60	2.16	
39	WOODY, RESINOUS	9.35	5.80	*
40	CEDARWOOD	2.88	2.13	
41	MOTHBALLS	0.72	0.32	
42	MINTY, PEPPERMINT	6.47	5.20	*
43	CAMPHOR	4.32	2.73	
44	EUCALIPTUS	0.72	0.56	
45	CHOCOLATE	1.44	1.02	
46	VANILLA	11.51	7.93	*
47	SWEET	52.52	41.33	**********
48	MAPLE SYRUP	9.35	6.96	*
49	CARAMEL	12.23	10.19	**
50	MALTY	3.60	2.39	
51	RAISINS	2.16	1.37	
52	MOLASSES	2.88	2.23	
53	COCONUT	2.16	1.37	
54	ANISE (LICORICE)	4.32	2.49	
55	ALCOHOLIC	12.23	9.38	**
56	ETHERISH, ANAESTHETIC	12.95	8.63	**
57	CLEANING FLUID	2.16	1.25	
58	GASOLINE, SOLVENT	5.76	4.07	*
59	TURPENTINE (PINE OIL)	4.32	2.84	
60	GERANIUM LEAVES	0.72	0.32	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.72	0.46	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	5.76	3.15	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.72	0.56	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.72	0.56	
70	BAKERY (FRESH BREAD)	0.72	0.56	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.88	1.82	
73	BEERY	0.00	0.00	
74	SOAPY	2.16	1.11	
75	LEATHER	0.00	0.00	
76	CARDBOARD	1.44	0.91	
77	ROPE	0.00	0.00	
78	WET PAPER	0.72	0.72	
79	WET WOOL, WET DOG	0.72	0.32	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.16	1.25	
82	MUSTY, EARTHY, MOLDY	2.88	1.58	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.72	0.46	
85	MUSHROOM	0.72	0.32	
86	PEANUT BUTTER	0.72	0.32	
87	BEANY	1.44	0.64	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.88	2.03	
90	CORK	1.44	0.79	
91	BURNT, SMOKY	4.32	3.15	
92	FRESH TOBACCO SMOKE	0.72	0.32	
93	INCENSE	2.88	2.41	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.72	0.32	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.72	0.32	
101	DISINFECTANT, CARBOLIC	2.88	1.58	
102	MEDICINAL	3.60	2.28	
103	CHEMICAL	13.67	9.82	**
104	BITTER	1.44	0.79	
105	SHARP, PUNGENT, ACID	10.79	7.48	*
106	SOUR, VINEGAR	8.63	5.35	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.44	0.91	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	1.44	0.79	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.46	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.72	0.32	
118	OILY, FATTY	6.47	3.74	
119	BUTTERY, FRESH BUTTER	5.76	4.27	*
120	PAINT	10.79	7.48	*
121	VARNISH	5.04	3.61	
122	POPCORN	0.72	0.46	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.88	1.70	
128	SWEATY	2.16	1.47	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.44	0.64	
131	SULFIDIC	0.72	0.32	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.60	2.88	
134	BLOOD, RAW MEAT	0.72	0.32	
135	ANIMAL	0.72	0.32	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.44	0.79	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	7.91	5.01	*
141	DRY, POWDERY	2.88	1.93	
142	CHALKY	0.00	0.00	
143	LIGHT	23.02	15.01	***
144	HEAVY	17.99	13.17	***
145	COOL, COOLING	11.51	8.92	**
146	WARM	10.07	7.42	*

TABLE 61—2-Ethyl Pyrazine (Lower Concentration)

PYRAZINE, 2-ETHYL

CHEM. ABSTR. REF. NO. 13925-00-3
C6 H8 N2
MOL. WT. 108.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 119
NUMBER WHO DETECTED ODOR..... 119
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

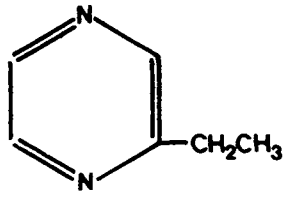
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.78	0.35	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.56	1.10	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.78	0.61	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.78	0.61	
11	CANTALOUPE, HONEY DEW MELON	1.56	0.86	
12	PEACH (FRUIT)	0.78	0.61	
13	BANANA	0.78	0.49	
14	FLORAL	1.56	1.21	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.78	0.35	
19	MUSK	8.59	5.44	*
20	PERFUMERY	1.56	0.99	
21	FRAGRANT	10.16	6.04	*
22	AROMATIC	12.50	8.73	**
23	HONEY	0.78	0.35	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	23.44	16.57	****
26	NAIL POLISH REMOVER	2.34	1.05	
27	NUTTY (WALNUT ETC)	32.03	25.01	******
28	SPICY	4.69	3.31	
29	CLOVE	0.78	0.70	
30	CINNAMON	1.56	0.70	
31	LAUREL LEAVES	0.78	0.61	
32	TEA LEAVES	2.34	1.60	
33	SEASONING (FOR MEAT)	3.13	1.56	
34	BLACK PEPPER	0.78	0.49	
35	GREEN PEPPER	0.78	0.35	
36	DILL	0.00	0.00	
37	CARAWAY	1.56	0.86	
38	OAK WOOD, COGNAC	3.13	2.10	
39	WOODY, RESINOUS	31.25	21.31	*****
40	CEDARWOOD	4.69	3.63	
41	MOTHBALLS	0.78	0.61	
42	MINTY, PEPPERMINT	0.78	0.35	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.78	0.35	
45	CHOCOLATE	2.34	1.60	
46	VANILLA	3.13	1.71	
47	SWEET	9.38	5.93	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	4.69	2.96	
50	MALTY	4.69	2.96	
51	RAISINS	0.00	0.00	
52	MOLASSES	2.34	1.05	
53	COCONUT	3.13	2.10	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.13	2.32	
56	ETHERISH, ANAESTHETIC	7.81	4.94	*
57	CLEANING FLUID	3.13	2.21	
58	GASOLINE, SOLVENT	5.47	4.03	*
59	TURPENTINE (PINE OIL)	3.13	1.98	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.78	0.78	
62	FRESH GREEN VEGETABLES	3.13	1.85	

63	CRUSHED WEEDS	0.78	0.49	
64	CRUSHED GRASS	1.56	0.86	
65	HERBAL, GREEN, CUT GRASS	5.47	3.58	
66	RAW CUCUMBER	1.56	0.86	
67	HAY	3.91	2.21	
68	GRAINY (AS GRAIN)	7.81	4.69	*
69	YEASTY	0.78	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.56	0.86	
73	BEERY	0.00	0.00	
74	SOAPY	2.34	1.35	
75	LEATHER	1.56	0.99	
76	CARDBOARD	8.59	5.18	*
77	ROPE	4.69	2.57	
78	WET PAPER	3.13	1.98	
79	WET WOOL, WET DOG	3.91	2.59	
80	DIRTY LINEN	3.13	1.98	
81	STALE	10.16	6.90	*
82	MUSTY, EARTHY, MOLDY	25.78	17.38	****
83	RAW POTATO	0.00	0.00	
84	MOUSE	3.13	1.40	
85	MUSHROOM	2.34	1.05	
86	PEANUT BUTTER	42.19	36.94	*********
87	BEANY	3.13	1.71	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	10.94	6.92	*
90	CORK	4.69	3.09	
91	BURNT, SMOKY	22.66	14.21	***
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.56	1.21	
94	COFFEE	1.56	0.99	
95	STALE TOBACCO SMOKE	7.03	5.24	*
96	BURNT PAPER	4.69	2.57	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.78	0.61	
99	TAR	0.78	0.70	
100	CREOSOTE	0.78	0.35	
101	DISINFECTANT, CARBOLIC	3.13	1.71	
102	MEDICINAL	3.91	2.34	
103	CHEMICAL	10.16	6.55	*
104	BITTER	1.56	0.70	
105	SHARP, PUNGENT, ACID	7.03	4.32	*
106	SOUR, VINEGAR	3.91	2.47	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.56	0.86	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.78	0.35	
114	NEW RUBBER	0.78	0.35	
115	SOOTY	3.13	1.85	
116	BURNT CANDLE	3.13	1.56	
117	KEROSENE	0.78	0.49	
118	OILY, FATTY	15.63	10.71	**
119	BUTTERY, FRESH BUTTER	4.69	2.96	
120	PAINT	3.91	2.47	
121	VARNISH	0.78	0.49	
122	POPCORN	14.06	9.49	**
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.34	1.05	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.78	0.49	
127	RANCID	6.25	4.07	*
128	SWEATY	12.50	7.40	*
129	CHEESY	1.56	0.86	
130	HOUSEHOLD GAS	2.34	1.48	
131	SULFIDIC	3.13	1.85	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.34	1.48	
134	BLOOD, RAW MEAT	3.91	2.59	
135	ANIMAL	1.56	0.86	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	5.47	3.46	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.78	0.35	
140	SICKENING	14.06	10.05	**
141	DRY, POWDERY	11.72	8.34	**
142	CHALKY	1.56	0.99	
143	LIGHT	14.06	8.89	**
144	HEAVY	21.88	16.94	****
145	COOL, COOLING	3.91	2.59	
146	WARM	19.53	13.64	***

TABLE 62—2-Ethyl Pyrazine (Higher Concentration)

PYRAZINE, 2-ETHYL

CHEM. ABSTR. REG. NO. 13925-00-3
C6 H8 N2
MOL. WT. 108.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

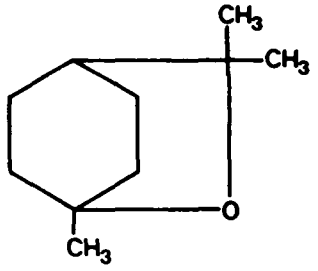
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.43	1.28	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.71	0.71	
5	FRUITY, OTHER THAN CITRUS	0.71	0.45	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.71	0.32	
11	CANTALOUPE, HONEY DEW MELON	0.71	0.45	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.71	0.32	
14	FLORAL	1.43	0.90	
15	ROSE	1.43	0.64	
16	VIOLETS	0.71	0.64	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	2.14	0.96	
20	PERFUMERY	0.71	0.32	
21	FRAGRANT	13.57	9.34	**
22	AROMATIC	22.14	15.30	***
23	HONEY	0.71	0.55	
24	CHERRY (BERRY)	0.71	0.55	
25	ALMOND	17.86	12.78	***
26	NAIL POLISH REMOVER	3.57	2.95	
27	NUTTY (WALNUT ETC)	35.00	25.79	******
28	SPICY	5.71	3.38	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.71	0.45	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.45	
37	CARAWAY	0.71	0.55	
38	OAK WOOD, COGNAC	4.29	2.47	
39	WOODY, RESINOUS	23.57	15.35	***
40	CEDARWOOD	4.29	2.60	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	1.43	0.90	
43	CAMPHOR	0.71	0.45	
44	EUCALIPTUS	1.43	1.01	
45	CHOCOLATE	4.29	3.03	
46	VANILLA	0.71	0.45	
47	SWEET	13.57	8.47	**
48	MAPLE SYRUP	1.43	0.64	
49	CARAMEL	1.43	0.78	
50	MALTY	6.43	3.46	
51	RAISINS	0.71	0.32	
52	MOLASSES	2.14	0.96	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.29	3.41	
56	ETHERISH, ANAESTHETIC	4.29	3.32	
57	CLEANING FLUID	0.71	0.64	
58	GASOLINE, SOLVENT	4.29	3.13	
59	TURPENTINE (PINE OIL)	2.14	1.46	
60	GERANIUM LEAVES	0.71	0.45	
61	CELERY	0.71	0.45	
62	FRESH GREEN VEGETABLES	0.71	0.64	

63	CRUSHED WEEDS	2.14	1.24	
64	CRUSHED GRASS	0.71	0.55	
65	HERBAL, GREEN, CUT GRASS	5.71	3.38	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.71	0.55	
68	GRAINY (AS GRAIN)	3.57	2.02	
69	YEASTY	5.00	2.80	
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	1.43	0.78	
74	SOAPY	0.00	0.00	
75	LEATHER	3.57	2.26	
76	CARDBOARD	5.00	3.16	
77	ROPE	3.57	2.26	
78	WET PAPER	0.71	0.45	
79	WET WOOL, WET DOG	4.29	2.60	
80	DIRTY LINEN	2.86	1.56	
81	STALE	13.57	8.92	**
82	MUSTY, EARTHY, MOLDY	25.71	17.98	****
83	RAW POTATO	4.29	2.07	
84	MOUSE	2.14	1.36	
85	MUSHROOM	1.43	0.78	
86	PEANUT BUTTER	48.57	43.36	**********
87	BEANY	0.71	0.32	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.86	4.37	*
90	CORK	9.29	5.64	*
91	BURNT, SMOKY	32.86	22.72	*****
92	FRESH TOBACCO SMOKE	0.71	0.32	
93	INCENSE	0.71	0.45	
94	COFFEE	2.14	0.96	
95	STALE TOBACCO SMOKE	12.14	8.64	**
96	BURNT PAPER	9.29	5.87	*
97	BURNT MILK	7.14	3.91	
98	BURNT RUBBER	6.43	3.46	
99	TAR	5.71	3.73	
100	CREOSOTE	4.29	2.71	
101	DISINFECTANT, CARBOLIC	1.43	1.11	
102	MEDICINAL	5.00	3.48	
103	CHEMICAL	12.86	9.68	**
104	BITTER	5.71	3.61	
105	SHARP, PUNGENT, ACID	17.14	12.12	***
106	SOUR, VINEGAR	2.86	1.81	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.14	1.11	
109	URINE	0.00	0.00	
110	CAT URINE	0.71	0.32	
111	FISHY	0.71	0.55	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	4.29	3.23	
116	BURNT CANDLE	7.86	4.10	*
117	KEROSENE	0.71	0.32	
118	OILY, FATTY	22.14	14.00	***
119	BUTTERY, FRESH BUTTER	3.57	2.26	
120	PAINT	2.14	1.75	
121	VARNISH	2.86	1.69	
122	POPCORN	14.29	9.69	**
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.43	0.78	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.71	0.45	
127	RANCID	13.57	8.81	**
128	SWEATY	9.29	5.87	*
129	CHEESY	0.71	0.55	
130	HOUSEHOLD GAS	0.71	0.32	
131	SULFIDIC	3.57	2.47	
132	GARLIC, ONION	0.71	0.32	
133	METALLIC	0.71	0.45	
134	BLOOD, RAW MEAT	0.71	0.45	
135	ANIMAL	1.43	0.64	
136	SEWER	2.14	1.24	
137	PUTRID, FOUL, DECAYED	4.29	3.32	
138	FECAL (LIKE MANURE)	2.14	1.66	
139	CADAVEROUS (DEAD ANIMAL)	3.57	2.26	
140	SICKENING	14.29	10.10	**
141	DRY, POWDERY	15.00	9.37	**
142	CHALKY	5.00	4.86	*
143	LIGHT	8.57	5.07	*
144	HEAVY	27.14	20.56	*****
145	COOL, COOLING	1.43	0.90	
146	WARM	17.86	11.74	**

TABLE 63—Eucalyptol

2-OXABICYCLO(2.2.2)OCTANE, 1,3,3-TRIMETHYL
P-MENTHANEM 1,8-EPOXY
1,8-OXIDO-P-MENTHANE
1,8-CINEOL
CINEOLE
EUCALIPTOLE
CAJEPUTOL

CHEM. ABSTR. REG. NO. 470-82-6
C10 H18 O1
MOL. WT. 154.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 147
PERCENT WHO DETECTED ODOR..... 98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

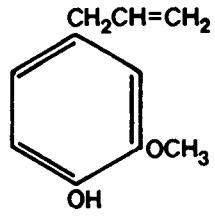
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.89	4.08	
2	LEMON	4.51	6.80	*
3	GRAPEFRUIT	0.61	1.36	
4	ORANGE	0.86	1.36	
5	FRUITY, OTHER THAN CITRUS	3.33	5.44	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.30	0.68	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	3.01	4.76	
15	ROSE	0.61	1.36	
16	VIOLETS	0.43	0.68	
17	LAVENDER	1.80	3.40	
18	COLOGNE	1.36	2.72	
19	MUSK	1.97	4.08	
20	PERFUMERY	7.41	12.24	*
21	FRAGRANT	34.67	46.26	********
22	AROMATIC	34.58	46.26	********
23	HONEY	1.83	2.72	
24	CHERRY (BERRY)	0.91	2.04	
25	ALMOND	0.86	1.36	
26	NAIL POLISH REMOVER	5.89	10.20	*
27	NUTTY (WALNUT ETC)	0.43	0.68	
28	SPICY	12.04	18.37	***
29	CLOVE	3.94	8.16	
30	CINNAMON	1.83	2.72	
31	LAUREL LEAVES	1.18	2.04	
32	TEA LEAVES	2.26	3.40	
33	SEASONING (FOR MEAT)	0.43	0.68	
34	BLACK PEPPER	0.86	1.36	
35	GREEN PEPPER	0.30	0.68	
36	DILL	2.90	4.76	
37	CARAWAY	0.86	1.36	
38	OAK WOOD, COGNAC	1.97	4.08	
39	WOODY, RESINOUS	18.15	27.21	****
40	CEDARWOOD	9.23	15.65	**
41	MOTHBALLS	8.17	12.93	**
42	MINTY, PEPPERMINT	28.60	44.22	*******
43	CAMPHOR	41.07	57.14	**********
44	EUCALIPTUS	40.54	50.34	**********
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.43	0.68	
47	SWEET	16.02	24.49	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.43	0.68	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.30	0.68	
54	ANISE (LICORICE)	2.72	5.44	
55	ALCOHOLIC	6.01	10.20	*
56	ETHERISH, ANAESTHETIC	24.43	35.37	******
57	CLEANING FLUID	7.30	12.24	*
58	GASOLINE, SOLVENT	6.27	11.56	*
59	TURPENTINE (PINE OIL)	34.56	46.94	********
60	GERANIUM LEAVES	0.91	2.04	
61	CELERY	0.61	1.36	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.05	2.04	
64	CRUSHED GRASS	0.75	1.36	
65	HERBAL, GREEN, CUT GRASS	10.22	16.33	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.75	1.36	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.30	0.68	
72	FERMENTED (ROTTEN) FRUIT	0.30	0.68	
73	BEERY	0.86	1.36	
74	SOAPY	0.30	0.68	
75	LEATHER	1.80	3.40	
76	CARDBOARD	0.30	0.68	
77	ROPE	0.91	2.04	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.30	0.68	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.43	0.68	
82	MUSTY, EARTHY, MOLDY	2.41	4.76	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.30	0.68	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.61	1.36	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	1.39	2.04	
92	FRESH TOBACCO SMOKE	0.30	0.68	
93	INCENSE	3.76	6.12	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.43	0.68	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.43	0.68	
99	TAR	4.62	7.48	*
100	CREOSOTE	3.65	6.12	
101	DISINFECTANT, CARBOLIC	17.75	27.89	****
102	MEDICINAL	40.60	57.14	**********
103	CHEMICAL	15.90	23.81	***
104	BITTER	1.80	3.40	
105	SHARP, PUNGENT, ACID	15.26	23.13	***
106	SOUR, VINEGAR	1.18	2.04	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.98	5.44	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.75	1.36	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.05	2.04	
115	SOOTY	0.30	0.68	
116	BURNT CANDLE	0.30	0.68	
117	KEROSENE	4.71	8.16	*
118	OILY, FATTY	2.79	4.76	
119	BUTTERY, FRESH BUTTER	0.30	0.68	
120	PAINT	17.60	24.49	****
121	VARNISH	10.49	14.97	**
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.30	0.68	
128	SWEATY	3.22	5.44	
129	CHEESY	0.86	1.36	
130	HOUSEHOLD GAS	0.53	0.68	
131	SULFIDIC	0.91	2.04	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.55	4.76	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.53	0.68	
136	SEWER	0.86	1.36	
137	PUTRID, FOUL, DECAYED	0.43	0.68	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.04	3.40	
141	DRY, POWDERY	1.72	2.72	
142	CHALKY	0.00	0.00	
143	LIGHT	18.46	27.21	****
144	HEAVY	16.69	23.81	****
145	COOL, COOLING	34.43	47.62	********
146	WARM	9.09	12.93	**

TABLE 64—Eugenol

PHENOL, 2-METHOXY-4-(2-PROPENYL)
PHENOL, 4-ALLYL-2-METHOXY

CHEM. ABSTR. REG. NO. 97-53-0
C10 H12 O2
MOL. WT. 164.1



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	149
NUMBER WHO DETECTED ODOR.....	149
PERCENT WHO DETECTED ODOR.....	100

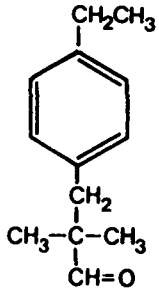
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.33	0.67	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.33	1.13	
5	FRUITY, OTHER THAN CITRUS	6.80	4.47	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.67	0.40	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.00	0.80	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.67	0.27	
13	BANANA	2.00	1.07	
14	FLORAL	13.40	7.53	*
15	ROSE	3.33	1.87	
16	VIOLETS	4.00	2.13	
17	LAVENDER	2.67	1.87	
18	COLOGNE	6.87	3.93	
19	MUSK	1.33	0.87	
20	PERFUMERY	18.87	12.00	***
21	FRAGRANT	49.07	33.60	********
22	AROMATIC	43.00	31.47	*******
23	HONEY	2.00	0.93	
24	CHERRY (BERRY)	2.67	1.67	
25	ALMOND	6.00	3.27	
26	NAIL POLISH REMOVER	0.67	0.27	
27	NUTTY (WALNUT ETC)	1.33	0.53	
28	SPICY	51.67	40.47	**********
29	CLOVE	63.60	56.13	**********
30	CINNAMON	33.60	22.20	*****
31	LAUREL LEAVES	1.33	0.53	
32	TEA LEAVES	4.67	2.60	
33	SEASONING (FOR MEAT)	5.33	3.27	
34	BLACK PEPPER	6.00	3.60	
35	GREEN PEPPER	0.67	0.27	
36	DILL	2.67	1.47	
37	CARAWAY	2.00	0.93	
38	OAK WOOD, COGNAC	1.33	0.53	
39	WOODY, RESINOUS	11.33	7.13	*
40	CEDARWOOD	10.73	5.47	*
41	MOTHBALLS	0.67	0.27	
42	MINTY, PEPPERMINT	12.07	7.73	*
43	CAMPHOR	4.00	2.20	
44	EUCALIPTUS	6.00	3.27	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	6.00	3.33	
47	SWEET	37.13	25.87	******
48	MAPLE SYRUP	1.33	0.67	
49	CARAMEL	2.00	0.93	
50	MALTY	2.00	1.20	
51	RAISINS	3.33	2.33	
52	MOLASSES	1.33	0.73	
53	COCONUT	1.33	0.67	
54	ANISE (LICORICE)	8.73	4.93	*
55	ALCOHOLIC	0.67	0.40	
56	ETHERISH, ANAESTHETIC	8.67	4.67	*
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.67	0.27	
59	TURPENTINE (PINE OIL)	3.33	1.93	
60	GERANIUM LEAVES	2.67	1.40	
61	CELERY	1.33	0.80	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.00	1.07	
64	CRUSHED GRASS	1.33	0.93	
65	HERBAL, GREEN, CUT GRASS	8.20	4.73	*
66	RAW CUCUMBER	0.67	0.27	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.67	0.27	
73	BEERY	0.00	0.00	
74	SOAPY	0.00	0.00	
75	LEATHER	0.67	0.47	
76	CARDBOARD	0.67	0.40	
77	ROPE	0.67	0.47	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	3.33	1.73	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.33	2.00	
90	CORK	1.33	0.73	
91	BURNT, SMOKY	6.67	4.27	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	9.33	5.60	*
94	COFFEE	0.67	0.40	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.67	0.40	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.67	0.47	
100	CREOSOTE	4.00	2.27	
101	DISINFECTANT, CARBOLIC	2.67	1.33	
102	MEDICINAL	16.07	10.13	**
103	CHEMICAL	6.07	3.27	
104	BITTER	0.67	0.47	
105	SHARP, PUNGENT, ACID	6.67	3.27	
106	SOUR, VINEGAR	2.67	1.20	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.67	0.27	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.67	0.40	
116	BURNT CANDLE	2.00	1.07	
117	KEROSENE	1.33	0.67	
118	OILY, FATTY	2.67	1.07	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.00	1.47	
121	VARNISH	0.67	0.40	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.00	1.20	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	2.67	1.27	
129	CHEESY	2.00	0.93	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.67	0.40	
132	GARLIC, ONION	2.00	0.80	
133	METALLIC	5.33	2.93	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	0.00	0.00	
141	DRY, POWDERY	3.53	1.80	
142	CHALKY	0.00	0.00	
143	LIGHT	24.20	15.33	***
144	HEAVY	18.20	11.93	**
145	COOL, COOLING	14.20	9.27	**
146	WARM	17.47	12.33	***

TABLE 65—Floralozone

BENZENEPROPANAL, 4-ETHYL-ALPHA,ALPHA-DIMETHYL
HYDROCINNAMALDEHYDE, P-ETHYL-ALPHA,ALPHA-DIMETHYL
FLOROZONE
FLOROZONE ISOMERS



CHEM. ABSTR. REG. NO. 67634-15-5
C13 H18 01
MOL. WT. 190.1

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

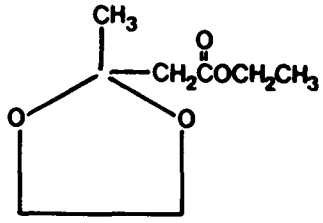
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	21.26	15.09	***
2	LEMON	19.69	13.64	***
3	GRAPEFRUIT	10.24	6.84	*
4	ORANGE	15.75	10.45	**
5	FRUITY, OTHER THAN CITRUS	34.65	26.73	******
6	PINEAPPLE	4.72	2.59	
7	GRAPE JUICE	1.57	1.00	
8	STRAWBERRY	3.94	2.73	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.15	1.73	
11	CANTALOUPE, HONEY DEW MELON	37.80	32.46	********
12	PEACH (FRUIT)	2.36	1.22	
13	BANANA	0.79	0.35	
14	FLORAL	14.17	9.09	**
15	ROSE	3.94	2.23	
16	VIOLETS	0.79	0.35	
17	LAVENDER	3.15	1.99	
18	COLOGNE	4.72	3.45	
19	MUSK	2.36	1.83	
20	PERFUMERY	14.17	9.33	**
21	FRAGRANT	37.01	29.07	*******
22	AROMATIC	30.71	22.64	*****
23	HONEY	3.15	2.11	
24	CHERRY (BERRY)	5.51	3.61	
25	ALMOND	2.36	1.36	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	7.09	4.48	*
29	CLOVE	0.79	0.61	
30	CINNAMON	0.79	0.35	
31	LAUREL LEAVES	1.57	1.11	
32	TEA LEAVES	3.94	2.73	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.79	0.61	
35	GREEN PEPPER	1.57	0.86	
36	DILL	1.57	0.86	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.15	1.86	
39	WOODY, RESINOUS	9.45	6.10	*
40	CEDARWOOD	3.94	2.49	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	7.87	5.34	*
43	CAMPHOR	3.94	3.25	
44	EUCALIPTUS	3.15	2.34	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.57	1.11	
47	SWEET	40.16	28.45	*******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.79	0.35	
51	RAISINS	0.79	0.50	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	12.60	10.63	**
55	ALCOHOLIC	3.15	1.57	
56	ETHERISH, ANAESTHETIC	4.72	2.73	
57	CLEANING FLUID	1.57	1.00	
58	GASOLINE, SOLVENT	1.57	0.70	
59	TURPENTINE (PINE OIL)	0.79	0.35	
60	GERANIUM LEAVES	3.15	2.44	
61	CELERY	0.79	0.35	
62	FRESH GREEN VEGETABLES	2.36	1.73	

63	CRUSHED WEEDS	2.36	1.73	
64	CRUSHED GRASS	7.09	5.07	*
65	HERBAL, GREEN, CUT GRASS	22.83	16.85	****
66	RAW CUCUMBER	7.87	6.30	*
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.79	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.36	1.61	
73	BEERY	0.00	0.00	
74	SOAPY	3.94	3.25	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.79	0.35	
77	ROPE	0.00	0.00	
78	WET PAPER	0.79	0.35	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	3.94	2.36	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.36	1.49	
90	CORK	0.79	0.35	
91	BURNT, SMOKY	1.57	0.70	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.57	1.11	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	1.57	0.86	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.79	0.50	
100	CREOSOTE	0.79	0.35	
101	DISINFECTANT, CARBOLIC	2.36	1.36	
102	MEDICINAL	2.36	1.61	
103	CHEMICAL	5.51	2.79	
104	BITTER	1.57	1.00	
105	SHARP, PUNGENT, ACID	7.87	5.22	*
106	SOUR, VINEGAR	4.72	2.86	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.57	0.70	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.79	0.35	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.79	0.61	
115	SOOTY	0.79	0.35	
116	BURNT CANDLE	0.79	0.35	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	7.87	4.01	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	5.51	2.95	
121	VARNISH	1.57	0.86	
122	POPCORN	0.79	0.61	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.79	0.35	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.79	0.35	
127	RANCID	0.00	0.00	
128	SWEATY	3.94	2.84	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.79	0.35	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.79	0.50	
134	BLOOD, RAW MEAT	0.79	0.50	
135	ANIMAL	0.00	0.00	
136	SEWER	0.79	0.70	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.72	3.11	
141	DRY, POWDERY	0.79	0.35	
142	CHALKY	0.00	0.00	
143	LIGHT	28.35	20.92	*****
144	HEAVY	11.81	8.41	**
145	COOL, COOLING	18.11	13.51	***
146	WARM	10.24	7.18	

TABLE 66—Fructone

1,3-DIOXOLANE-2-ACETIC ACID, 2-METHYL: ETHYL ESTER

CHEM. ABSTR. REG. NO. 6413-10-1
C8 H14 O4
MOL. WT. 174.1



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	128
NUMBER WHO DETECTED ODOR.....	128
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

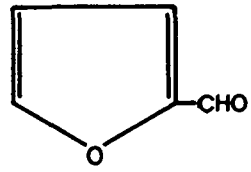
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	15.63	11.80	**
2	LEMON	7.03	4.45	*
3	GRAPEFRUIT	2.34	1.35	
4	ORANGE	9.38	6.29	*
5	FRUITY, OTHER THAN CITRUS	67.97	55.78	**********
6	PINEAPPLE	14.06	11.09	**
7	GRAPE JUICE	10.16	7.77	*
8	STRAWBERRY	15.63	11.16	**
9	APPLE (FRUIT)	0.78	0.78	
10	PEAR	16.41	9.34	**
11	CANTALOUPE, HONEY DEW MELON	10.16	7.97	*
12	PEACH (FRUIT)	9.38	5.80	*
13	BANANA	5.47	3.33	
14	FLORAL	16.41	10.13	**
15	ROSE	5.47	3.58	
16	VIOLETS	3.91	2.34	
17	LAVENDER	5.47	2.77	
18	COLOGNE	1.56	0.86	
19	MUSK	0.78	0.61	
20	PERFUMERY	11.72	7.77	*
21	FRAGRANT	43.75	31.37	*******
22	AROMATIC	31.25	22.75	*****
23	HONEY	2.34	1.60	
24	CHERRY (BERRY)	18.75	13.37	***
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	1.56	0.70	
27	NUTTY (WALNUT ETC)	0.78	0.35	
28	SPICY	6.25	3.42	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.78	0.35	
31	LAUREL LEAVES	0.78	0.61	
32	TEA LEAVES	0.78	0.61	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.78	0.49	
39	WOODY, RESINOUS	7.81	4.69	*
40	CEDARWOOD	0.78	0.35	
41	MOTHBALLS	0.78	0.49	
42	MINTY, PEPPERMINT	4.69	3.09	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	1.56	0.86	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.56	0.86	
47	SWEET	54.69	42.76	**********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.78	0.35	
50	MALTY	0.78	0.49	
51	RAISINS	3.13	1.71	
52	MOLASSES	0.00	0.00	
53	COCONUT	1.56	0.86	
54	ANISE (LICORICE)	6.25	4.74	*
55	ALCOHOLIC	2.34	1.48	
56	ETHERISH, ANAESTHETIC	3.91	2.21	
57	CLEANING FLUID	1.56	0.99	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.56	0.70	
60	GERANIUM LEAVES	0.78	0.35	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.56	1.21	

63	CRUSHED WEEDS	0.78	0.61	
64	CRUSHED GRASS	1.56	1.10	
65	HERBAL, GREEN, CUT GRASS	4.69	3.09	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.78	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	4.69	3.20	
73	BEERY	1.56	1.40	
74	SOAPY	3.13	1.85	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	1.56	0.70	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	1.56	1.21	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.78	0.61	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.78	0.49	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	0.78	0.49	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.34	1.35	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	1.56	0.99	
102	MEDICINAL	2.34	1.48	
103	CHEMICAL	3.13	2.10	
104	BITTER	0.78	0.61	
105	SHARP, PUNGENT, ACID	4.69	2.71	
106	SOUR, VINEGAR	7.81	4.82	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.13	1.56	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	1.56	1.10	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.78	0.78	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.34	1.21	
128	SWEATY	5.47	3.33	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.78	0.49	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	1.56	0.99	
141	DRY, POWDERY	2.34	1.21	
142	CHALKY	0.00	0.00	
143	LIGHT	24.22	16.85	****
144	HEAVY	10.94	7.95	*
145	COOL, COOLING	10.16	7.24	*
146	WARM	6.25	4.07	

TABLE 67—Furfural

2-FURALDEHYDE

CHEM. ABSTR. REG. NO. 98-01-1
C5 H4 O2
MOL. WT. 96.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	137
PERCENT WHO DETECTED ODOR.....	98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

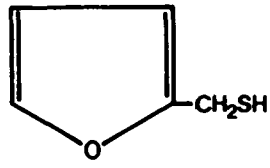
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.84	4.13	*
2	LEMON	0.73	0.33	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	12.41	9.42	**
6	PINEAPPLE	3.65	1.93	
7	GRAPE JUICE	2.92	2.26	
8	STRAWBERRY	0.73	0.33	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.46	1.03	
12	PEACH (FRUIT)	0.73	0.33	
13	BANANA	0.73	0.33	
14	FLORAL	8.76	5.54	*
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.73	0.65	
18	COLOGNE	0.73	0.46	
19	MUSK	6.57	3.66	
20	PERFUMERY	8.76	5.54	*
21	FRAGRANT	30.66	20.51	*****
22	AROMATIC	20.44	13.93	***
23	HONEY	2.19	2.04	
24	CHERRY (BERRY)	12.41	10.60	**
25	ALMOND	24.09	17.69	****
26	NAIL POLISH REMOVER	3.65	2.63	
27	NUTTY (WALNUT ETC)	5.11	3.34	
28	SPICY	16.06	9.56	**
29	CLOVE	1.46	1.22	
30	CINNAMON	3.65	2.92	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.46	0.65	
33	SEASONING (FOR MEAT)	0.73	0.33	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.73	0.33	
37	CARAWAY	0.73	0.33	
38	OAK WOOD, COGNAC	3.65	2.31	
39	WOODY, RESINOUS	27.74	19.61	****
40	CEDARWOOD	8.03	4.84	*
41	MOTHBALLS	0.73	0.33	
42	MINTY, PEPPERMINT	5.11	3.11	
43	CAMPHOR	3.65	2.19	
44	EUCALIPTUS	2.19	1.26	
45	CHOCOLATE	2.92	1.73	
46	VANILLA	5.84	3.92	
47	SWEET	36.50	24.75	******
48	MAPLE SYRUP	0.73	0.46	
49	CARAMEL	2.19	1.26	
50	MALTY	2.19	1.38	
51	RAISINS	6.57	4.80	*
52	MOLASSES	0.73	0.46	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.46	0.80	
55	ALCOHOLIC	5.11	2.99	
56	ETHERISH, ANAESTHETIC	9.49	5.26	*
57	CLEANING FLUID	7.30	4.50	*
58	GASOLINE, SOLVENT	7.30	4.62	*
59	TURPENTINE (PINE OIL)	5.84	3.92	
60	GERANIUM LEAVES	0.73	0.57	
61	CELERY	0.73	0.57	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.92	2.06	
64	CRUSHED GRASS	2.92	1.85	
65	HERBAL, GREEN, CUT GRASS	13.14	8.19	**
66	RAW CUCUMBER	0.73	0.57	
67	HAY	4.38	3.20	
68	GRAINY (AS GRAIN)	2.92	1.96	
69	YEASTY	2.19	1.50	
70	BAKERY (FRESH BREAD)	1.46	0.92	
71	SOUR MILK	0.73	0.33	
72	FERMENTED (ROTTEN) FRUIT	3.65	2.83	
73	BEERY	0.00	0.00	
74	SOAPY	2.92	1.85	
75	LEATHER	2.19	1.50	
76	CARDBOARD	8.76	5.77	*
77	ROPE	2.92	1.85	
78	WET PAPER	6.57	4.49	*
79	WET WOOL, WET DOG	2.19	1.26	
80	DIRTY LINEN	0.73	0.65	
81	STALE	3.65	2.42	
82	MUSTY, EARTHY, MOLDY	13.14	9.08	**
83	RAW POTATO	2.19	1.38	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.73	0.33	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.11	3.66	
90	CORK	3.65	2.06	
91	BURNT, SMOKY	14.60	9.90	**
92	FRESH TOBACCO SMOKE	5.11	3.96	
93	INCENSE	3.65	1.93	
94	COFFEE	1.46	0.80	
95	STALE TOBACCO SMOKE	2.92	2.26	
96	BURNT PAPER	4.38	2.26	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.46	0.92	
99	TAR	1.46	0.65	
100	CREOSOTE	0.73	0.57	
101	DISINFECTANT, CARBOLIC	7.30	5.06	*
102	MEDICINAL	13.14	8.65	**
103	CHEMICAL	11.68	8.66	**
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	11.68	7.39	*
106	SOUR, VINEGAR	7.30	4.95	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.92	1.60	
109	URINE	0.00	0.00	
110	CAT URINE	0.73	0.33	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	1.46	1.03	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.46	0.65	
115	SOOTY	2.19	1.38	
116	BURNT CANDLE	0.73	0.57	
117	KEROSENE	1.46	1.13	
118	OILY, FATTY	8.03	4.96	*
119	BUTTERY, FRESH BUTTER	1.46	0.80	
120	PAINT	3.65	2.92	
121	VARNISH	0.73	0.33	
122	POPCORN	0.73	0.46	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.92	1.46	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.46	0.65	
127	RANCID	4.38	2.65	
128	SWEATY	5.11	3.66	
129	CHEESY	0.73	0.33	
130	HOUSEHOLD GAS	0.73	0.33	
131	SULFIDIC	1.46	0.65	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.19	1.60	
134	BLOOD, RAW MEAT	0.73	0.33	
135	ANIMAL	2.92	2.06	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	2.19	1.26	
138	FECAL (LIKE MANURE)	0.73	0.65	
139	CADAVEROUS (DEAD ANIMAL)	0.73	0.73	
140	SICKENING	8.76	6.19	*
141	DRY, POWDERY	8.03	5.08	*
142	CHALKY	1.46	0.92	
143	LIGHT	25.55	18.32	****
144	HEAVY	16.06	11.35	**
145	COOL, COOLING	6.57	4.15	*
146	WARM	11.68	7.50	*

TABLE 68—Furfuryl Mercaptan

2-FURANMETHANETHIOL

CHEM. ABSTR. REG. NO. 98-02-2
C5 H6 O1 S1
MOL. WT. 114.2



CONCENTRATION, ML/LITER.....	0.4
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

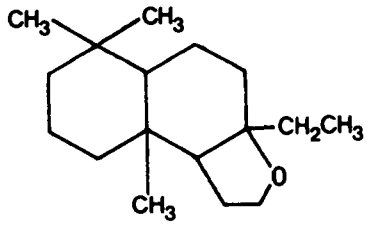
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.72	0.46	
2	LEMON	2.88	1.70	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.72	0.32	
9	APPLE (FRUIT)	0.72	0.32	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	6.47	4.73	*
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	10.79	7.27	*
22	AROMATIC	13.67	9.72	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.60	1.61	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	6.47	3.74	
28	SPICY	2.88	2.13	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	5.04	3.51	
34	BLACK PEPPER	1.44	1.02	
35	GREEN PEPPER	1.44	1.02	
36	DILL	2.88	1.70	
37	CARAWAY	0.72	0.32	
38	OAK WOOD, COGNAC	1.44	0.91	
39	WOODY, RESINOUS	7.91	4.27	*
40	CEDARWOOD	1.44	0.91	
41	MOTHBALLS	1.44	0.79	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.72	0.32	
44	EUCALIPTUS	0.72	0.56	
45	CHOCOLATE	0.72	0.64	
46	VANILLA	1.44	0.91	
47	SWEET	6.47	3.98	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	2.88	1.58	
50	MALTY	4.32	2.49	
51	RAISINS	1.44	0.79	
52	MOLASSES	1.44	0.79	
53	COCONUT	0.72	0.46	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	0.00	0.00	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.72	0.32	
59	TURPENTINE (PINE OIL)	0.72	0.32	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	2.16	1.76	
62	FRESH GREEN VEGETABLES	2.16	1.58	

63	CRUSHED WEEDS	1.44	0.79	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.32	2.73	
66	RAW CUCUMBER	0.72	0.46	
67	HAY	1.44	0.79	
68	GRAINY (AS GRAIN)	4.32	3.05	
69	YEASTY	5.04	3.07	
70	BAKERY (FRESH BREAD)	9.35	7.15	*
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.44	1.02	
73	BEERY	1.44	1.02	
74	SOAPY	1.44	0.64	
75	LEATHER	2.16	1.25	
76	CARDBOARD	1.44	0.79	
77	ROPE	0.72	0.32	
78	WET PAPER	0.72	0.46	
79	WET WOOL, WET DOG	4.32	2.95	
80	DIRTY LINEN	2.16	1.58	
81	STALE	9.35	5.68	*
82	MUSTY, EARTHY, MOLDY	7.91	5.12	*
83	RAW POTATO	2.16	1.37	
84	MOUSE	0.72	0.56	
85	MUSHROOM	1.44	0.79	
86	PEANUT BUTTER	2.88	1.82	
87	BEANY	0.72	0.56	
88	EGGY (FRESH EGGS)	3.60	2.88	
89	BARK, BIRCH BARK	2.88	1.82	
90	CORK	2.16	1.11	
91	BURNT, SMOKY	34.53	23.59	*****
92	FRESH TOBACCO SMOKE	0.72	0.46	
93	INCENSE	0.00	0.00	
94	COFFEE	8.63	6.78	*
95	STALE TOBACCO SMOKE	2.16	1.67	
96	BURNT PAPER	6.47	4.21	*
97	BURNT MILK	2.88	2.23	
98	BURNT RUBBER	2.88	1.82	
99	TAR	0.72	0.32	
100	CREOSOTE	4.32	2.36	
101	DISINFECTANT, CARBOLIC	1.44	0.91	
102	MEDICINAL	0.72	0.32	
103	CHEMICAL	4.32	2.95	
104	BITTER	5.04	3.61	
105	SHARP, PUNGENT, ACID	10.79	7.48	*
106	SOUR, VINEGAR	15.11	10.11	**
107	SAUERKRAUT	1.44	0.79	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	2.88	1.58	
111	FISHY	33.09	27.94	******
112	KIPPERY (SMOKED FISH)	7.19	4.98	*
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.56	
115	SOOTY	1.44	0.91	
116	BURNT CANDLE	3.60	2.39	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	32.37	21.37	*****
119	BUTTERY, FRESH BUTTER	3.60	2.16	
120	PAINT	0.00	0.00	
121	VARNISH	0.72	0.32	
122	POPCORN	8.63	5.90	*
123	FRIED CHICKEN	4.32	2.09	
124	MEATY (COOKED, GOOD)	17.99	13.27	***
125	SOUPY	0.72	0.32	
126	COOKED VEGETABLES	3.60	2.49	
127	RANCID	7.19	4.66	*
128	SWEATY	10.79	7.05	*
129	CHEESY	0.72	0.32	
130	HOUSEHOLD GAS	1.44	0.79	
131	SULFIDIC	9.35	5.92	*
132	GARLIC, ONION	12.95	9.16	**
133	METALLIC	1.44	1.20	
134	BLOOD, RAW MEAT	4.32	2.73	
135	ANIMAL	12.23	8.28	**
136	SEWER	0.72	0.32	
137	PUTRID, FOUL, DECAYED	9.35	6.35	*
138	FECAL (LIKE MANURE)	2.88	1.82	
139	CADAVEROUS (DEAD ANIMAL)	2.16	1.37	
140	SICKENING	16.55	11.34	**
141	DRY, POWDERY	6.47	3.86	
142	CHALKY	0.00	0.00	
143	LIGHT	12.23	7.50	*
144	HEAVY	17.99	14.02	***
145	COOL, COOLING	1.44	0.79	
146	WARM	12.95	9.05	**

TABLE 69—Grisalva

NAPHTO(2,1-B)FURAN, 3A-ETHYL DECAHYDRO-6,6,9A-TRIMETHYL

CHEM. ABSTR. REG. NO. 88683-93-6
C17 H30 01
MOL. WT. 250.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	127
NUMBER WHO DETECTED ODOR.....	126
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

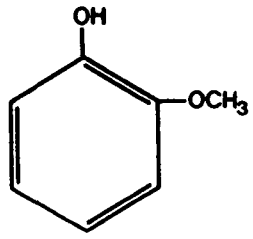
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.38	1.63	
2	LEMON	3.17	2.13	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.38	1.63	
6	PINEAPPLE	0.79	0.35	
7	GRAPE JUICE	0.79	0.35	
8	STRAWBERRY	1.59	1.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.59	0.87	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	13.49	9.02	**
15	ROSE	4.76	2.88	
16	VIOLETS	2.38	1.63	
17	LAVENDER	1.59	0.71	
18	COLOGNE	7.94	5.38	*
19	MUSK	6.35	4.81	*
20	PERFUMERY	23.02	17.41	****
21	FRAGRANT	30.16	23.56	*****
22	AROMATIC	23.81	17.50	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.79	0.50	
25	ALMOND	1.59	0.87	
26	NAIL POLISH REMOVER	1.59	1.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	12.70	8.03	**
29	CLOVE	0.00	0.00	
30	CINNAMON	2.38	1.37	
31	LAUREL LEAVES	2.38	1.63	
32	TEA LEAVES	1.59	1.33	
33	SEASONING (FOR MEAT)	1.59	0.71	
34	BLACK PEPPER	1.59	1.23	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.76	2.75	
39	WOODY, RESINOUS	44.44	35.14	********
40	CEDARWOOD	46.03	40.00	**********
41	MOTHBALLS	5.56	4.30	*
42	MINTY, PEPPERMINT	4.76	3.37	
43	CAMPHOR	8.73	5.65	*
44	EUCALIPTUS	1.59	1.33	
45	CHOCOLATE	0.79	0.50	
46	VANILLA	0.00	0.00	
47	SWEET	21.43	13.80	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.79	0.61	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.79	0.61	
55	ALCOHOLIC	1.59	1.00	
56	ETHERISH, ANAESTHETIC	5.56	4.20	*
57	CLEANING FLUID	2.38	1.74	
58	GASOLINE, SOLVENT	1.59	0.71	
59	TURPENTINE (PINE OIL)	7.14	4.64	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	4.76	3.01	
64	CRUSHED GRASS	1.59	1.12	
65	HERBAL, GREEN, CUT GRASS	10.32	6.77	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.59	1.00	
68	GRAINY (AS GRAIN)	1.59	0.87	
69	YEASTY	1.59	1.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.59	1.00	
73	BEERY	0.00	0.00	
74	SOAPY	6.35	4.02	*
75	LEATHER	2.38	1.51	
76	CARDBOARD	3.17	2.01	
77	ROPE	1.59	1.00	
78	WET PAPER	1.59	1.33	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.59	1.33	
82	MUSTY, EARTHY, MOLDY	15.87	11.00	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.79	0.61	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.79	0.35	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	9.52	7.48	*
90	CORK	2.38	1.51	
91	BURNT, SMOKY	11.11	7.27	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	9.52	6.02	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.59	1.59	
96	BURNT PAPER	2.38	1.51	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.79	0.61	
99	TAR	0.79	0.50	
100	CREOSOTE	1.59	1.23	
101	DISINFECTANT, CARBOLIC	2.38	1.74	
102	MEDICINAL	3.97	2.51	
103	CHEMICAL	8.73	6.66	*
104	BITTER	0.79	0.61	
105	SHARP, PUNGENT, ACID	7.94	5.26	*
106	SOUR, VINEGAR	2.38	1.51	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.79	0.35	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.79	0.50	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.79	0.35	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	1.59	0.71	
118	OILY, FATTY	1.59	1.00	
119	BUTTERY, FRESH BUTTER	0.79	0.50	
120	PAINT	2.38	1.84	
121	VARNISH	0.79	0.50	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.79	0.61	
128	SWEATY	3.17	2.01	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.79	0.71	
132	GARLIC, ONION	0.79	0.35	
133	METALLIC	0.79	0.35	
134	BLOOD, RAW MEAT	0.79	0.50	
135	ANIMAL	0.79	0.50	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.79	0.61	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.76	3.25	
141	DRY, POWDERY	15.08	10.49	**
142	CHALKY	2.38	1.63	
143	LIGHT	21.43	15.43	***
144	HEAVY	17.46	13.32	***
145	COOL, COOLING	5.56	4.20	*
146	WARM	15.08	11.05	

TABLE 70—Guaiacol

O-METHOXY PHENOL

CHEM. ABSTR. REG. NO. 90-05-1
C9 H8 02
MOL. WT. 124.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 148
NUMBER WHO DETECTED ODOR..... 148
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.68	0.43	
6	PINEAPPLE	0.68	0.43	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.35	0.60	
9	APPLE (FRUIT)	0.68	0.43	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.03	1.38	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.68	0.30	
19	MUSK	4.05	2.87	
20	PERFUMERY	4.05	2.45	
21	FRAGRANT	18.24	12.26	***
22	AROMATIC	29.05	20.40	*****
23	HONEY	0.68	0.43	
24	CHERRY (BERRY)	0.68	0.30	
25	ALMOND	6.76	4.17	*
26	NAIL POLISH REMOVER	1.35	0.74	
27	NUTTY (WALNUT ETC)	4.73	2.53	
28	SPICY	9.46	5.98	*
29	CLOVE	5.41	3.52	
30	CINNAMON	3.38	1.66	
31	LAUREL LEAVES	2.03	1.05	
32	TEA LEAVES	0.68	0.30	
33	SEASONING (FOR MEAT)	2.70	1.71	
34	BLACK PEPPER	0.68	0.30	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	8.78	5.45	*
39	WOODY, RESINOUS	44.59	29.46	*******
40	CEDARWOOD	12.16	6.54	*
41	MOTHBALLS	4.73	3.20	
42	MINTY, PEPPERMINT	0.68	0.30	
43	CAMPHOR	10.81	6.84	*
44	EUCALIPTUS	4.05	2.67	
45	CHOCOLATE	0.68	0.43	
46	VANILLA	2.70	1.71	
47	SWEET	10.14	6.72	*
48	MAPLE SYRUP	1.35	0.74	
49	CARAMEL	0.68	0.30	
50	MALTY	2.03	1.48	
51	RAISINS	0.68	0.30	
52	MOLASSES	2.70	1.48	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.35	0.60	
55	ALCOHOLIC	4.73	2.99	
56	ETHERISH, ANAESTHETIC	23.65	15.27	***
57	CLEANING FLUID	7.43	4.37	*
58	GASOLINE, SOLVENT	4.73	2.88	
59	TURPENTINE (PINE OIL)	8.11	5.23	*
60	GERANIUM LEAVES	0.68	0.52	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.68	0.52	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.73	2.88	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.70	1.71	
68	GRAINY (AS GRAIN)	1.35	0.74	
69	YEASTY	0.68	0.52	
70	BAKERY (FRESH BREAD)	0.68	0.43	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.03	1.57	
73	BEERY	2.03	1.28	
74	SOAPY	1.35	0.96	
75	LEATHER	10.81	7.55	*
76	CARDBOARD	8.78	5.77	*
77	ROPE	5.41	3.20	
78	WET PAPER	3.38	1.91	
79	WET WOOL, WET DOG	4.73	2.88	
80	DIRTY LINEN	1.35	1.05	
81	STALE	6.76	3.45	
82	MUSTY, EARTHY, MOLDY	22.30	13.99	***
83	RAW POTATO	4.05	2.09	
84	MOUSE	2.03	1.17	
85	MUSHROOM	0.68	0.43	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	1.35	0.60	
89	BARK, BIRCH BARK	12.84	7.79	*
90	CORK	8.78	6.35	*
91	BURNT, SMOKY	56.76	43.53	**********
92	FRESH TOBACCO SMOKE	2.70	1.81	
93	INCENSE	6.76	4.05	*
94	COFFEE	0.68	0.30	
95	STALE TOBACCO SMOKE	6.76	4.05	*
96	BURNT PAPER	18.92	14.57	***
97	BURNT MILK	1.35	0.85	
98	BURNT RUBBER	8.11	5.34	*
99	TAR	21.62	15.38	***
100	CREOSOTE	22.30	16.10	****
101	DISINFECTANT, CARBOLIC	25.00	15.92	***
102	MEDICINAL	43.24	30.67	*******
103	CHEMICAL	31.76	22.12	*****
104	BITTER	4.73	2.65	
105	SHARP, PUNGENT, ACID	16.22	10.26	**
106	SOUR, VINEGAR	5.41	2.96	
107	SAUERKRAUT	0.68	0.30	
108	AMMONIA	3.38	1.91	
109	URINE	3.38	1.91	
110	CAT URINE	2.70	1.48	
111	FISHY	6.76	4.58	*
112	KIPPERY (SMOKED FISH)	8.78	6.26	*
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	4.05	2.22	
115	SOOTY	11.49	7.88	*
116	BURNT CANDLE	8.78	5.34	*
117	KEROSENE	1.35	0.96	
118	OILY, FATTY	14.86	10.02	**
119	BUTTERY, FRESH BUTTER	0.68	0.43	
120	PAINT	8.78	5.11	*
121	VARNISH	5.41	3.82	
122	POPCORN	0.68	0.43	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	5.41	3.42	
125	SOUPY	0.68	0.43	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	10.14	6.92	*
128	SWEATY	14.86	8.74	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.68	0.43	
131	SULFIDIC	6.08	2.87	
132	GARLIC, ONION	1.35	0.74	
133	METALLIC	5.41	3.42	
134	BLOOD, RAW MEAT	2.70	1.48	
135	ANIMAL	4.05	2.67	
136	SEWER	4.05	2.45	
137	PUTRID, FOUL, DECAYED	4.73	2.77	
138	FECAL (LIKE MANURE)	0.68	0.43	
139	CADAVEROUS (DEAD ANIMAL)	2.70	1.35	
140	SICKENING	18.92	12.79	***
141	DRY, POWDERY	14.19	8.31	**
142	CHALKY	0.68	0.52	
143	LIGHT	12.16	9.07	**
144	HEAVY	33.78	23.79	*****
145	COOL, COOLING	4.73	2.40	
146	WARM	16.89	11.10	**

TABLE 71—Heptanal

HEPTALDEHYDE
ALDEHYDE C-7

CHEM. ABSTR. REG. NO. 111-71-7
C7 H14 O1
MOL. WT. 114.1

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 117
NUMBER WHO DETECTED ODOR..... 116
PERCENT WHO DETECTED ODOR..... 99

$CH_3(CH_2)_5CHO$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.59	1.64	
2	LEMON	1.72	0.94	
3	GRAPEFRUIT	0.86	0.77	
4	ORANGE	2.59	1.49	
5	FRUITY, OTHER THAN CITRUS	5.17	3.78	
6	PINEAPPLE	0.86	0.55	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.72	1.09	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.59	1.64	
11	CANTALOUPE, HONEY DEW MELON	1.72	1.44	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.86	0.77	
14	FLORAL	8.62	5.72	*
15	ROSE	0.86	0.39	
16	VIOLETS	2.59	1.89	
17	LAVENDER	2.59	1.34	
18	COLOGNE	1.72	0.94	
19	MUSK	7.76	4.77	*
20	PERFUMERY	6.90	3.93	
21	FRAGRANT	15.52	10.85	**
22	AROMATIC	14.66	10.42	**
23	HONEY	0.86	0.39	
24	CHERRY (BERRY)	0.86	0.39	
25	ALMOND	9.48	5.57	*
26	NAIL POLISH REMOVER	0.86	0.55	
27	NUTTY (WALNUT ETC)	12.07	8.53	**
28	SPICY	3.45	1.89	
29	CLOVE	0.86	0.67	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.72	0.94	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	1.72	1.09	
36	DILL	0.00	0.00	
37	CARAWAY	0.86	0.55	
38	OAK WOOD, COGNAC	2.59	2.00	
39	WOODY, RESINOUS	28.45	20.89	*****
40	CEDARWOOD	4.31	2.99	
41	MOTHBALLS	1.72	0.77	
42	MINTY, PEPPERMINT	2.59	1.34	
43	CAMPHOR	1.72	0.77	
44	EUCALIPTUS	2.59	1.77	
45	CHOCOLATE	0.86	0.39	
46	VANILLA	0.86	0.39	
47	SWEET	17.24	10.77	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.72	0.77	
51	RAISINS	0.86	0.67	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.86	0.67	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.59	1.16	
56	ETHERISH, ANAESTHETIC	6.90	4.36	*
57	CLEANING FLUID	0.86	0.39	
58	GASOLINE, SOLVENT	4.31	2.59	
59	TURPENTINE (PINE OIL)	9.48	5.86	*
60	GERANIUM LEAVES	2.59	1.49	
61	CELERY	0.86	0.55	
62	FRESH GREEN VEGETABLES	5.17	3.27	

63	CRUSHED WEEDS	6.03	4.33	*
64	CRUSHED GRASS	6.03	4.56	*
65	HERBAL, GREEN, CUT GRASS	18.10	13.57	***
66	RAW CUCUMBER	3.45	2.31	
67	HAY	5.17	3.53	
68	GRAINY (AS GRAIN)	2.59	1.89	
69	YEASTY	8.62	5.59	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.86	0.67	
72	FERMENTED (ROTTEN) FRUIT	1.72	0.94	
73	BEERY	1.72	0.94	
74	SOAPY	6.90	5.11	*
75	LEATHER	1.72	1.09	
76	CARDBOARD	5.17	3.13	
77	ROPE	1.72	1.09	
78	WET PAPER	6.90	4.08	*
79	WET WOOL, WET DOG	3.45	2.31	
80	DIRTY LINEN	3.45	2.56	
81	STALE	13.79	9.87	**
82	MUSTY, EARTHY, MOLDY	23.28	16.40	****
83	RAW POTATO	2.59	1.64	
84	MOUSE	0.86	0.39	
85	MUSHROOM	1.72	0.77	
86	PEANUT BUTTER	1.72	1.22	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.86	0.39	
89	BARK, BIRCH BARK	5.17	3.53	
90	CORK	6.03	3.95	
91	BURNT, SMOKY	11.21	6.95	*
92	FRESH TOBACCO SMOKE	0.86	0.55	
93	INCENSE	3.45	2.04	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.59	1.64	
96	BURNT PAPER	2.59	1.64	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.72	0.94	
99	TAR	2.59	1.64	
100	CREOSOTE	1.72	1.09	
101	DISINFECTANT, CARBOLIC	0.86	0.39	
102	MEDICINAL	7.76	5.17	*
103	CHEMICAL	14.66	10.42	**
104	BITTER	2.59	1.49	
105	SHARP, PUNGENT, ACID	9.48	6.39	*
106	SOUR, VINEGAR	9.48	6.00	*
107	SAUERKRAUT	0.86	0.39	
108	AMMONIA	0.86	0.39	
109	URINE	0.86	0.39	
110	CAT URINE	0.86	0.39	
111	FISHY	6.03	4.21	*
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	2.59	1.64	
116	BURNT CANDLE	4.31	3.11	
117	KEROSENE	1.72	1.34	
118	OILY, FATTY	38.79	29.71	*******
119	BUTTERY, FRESH BUTTER	2.59	1.49	
120	PAINT	12.93	8.71	**
121	VARNISH	5.17	3.53	
122	POPCORN	0.86	0.39	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.86	0.39	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.86	0.39	
127	RANCID	23.28	18.47	****
128	SWEATY	21.55	13.63	***
129	CHEESY	0.86	0.55	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.72	0.77	
132	GARLIC, ONION	0.86	0.39	
133	METALLIC	6.03	3.38	
134	BLOOD, RAW MEAT	2.59	1.16	
135	ANIMAL	3.45	1.89	
136	SEWER	1.72	0.94	
137	PUTRID, FOUL, DECAYED	12.93	9.79	**
138	FECAL (LIKE MANURE)	2.59	1.16	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	26.72	19.56	****
141	DRY, POWDERY	11.21	7.36	*
142	CHALKY	1.72	0.94	
143	LIGHT	12.07	8.66	**
144	HEAVY	23.28	17.92	****
145	COOL, COOLING	10.34	7.44	*
146	WARM	12.07	9.01	

TABLE 72—Heptanol: 1-Heptanol

N-HEPTANOL
N-HEXYL ALCOHOL

CHEM. ABSTR. REG. NO. 111-70-6
C7 H16 O1
MOL. WT. 116.1

CONCENTRATION, ML/LITER..... 350
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	15.84	11.85	**
2	LEMON	18.51	12.23	***
3	GRAPEFRUIT	2.70	1.48	
4	ORANGE	12.13	8.01	**
5	FRUITY, OTHER THAN CITRUS	10.78	6.97	*
6	PINEAPPLE	2.70	1.28	
7	GRAPE JUICE	0.68	0.30	
8	STRAWBERRY	0.68	0.37	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.36	1.12	
11	CANTALOUPE, HONEY DEW MELON	1.69	0.94	
12	PEACH (FRUIT)	2.36	1.26	
13	BANANA	2.36	1.26	
14	FLORAL	18.18	12.02	***
15	ROSE	8.42	5.48	*
16	VIOLETS	3.71	2.16	
17	LAVENDER	7.41	4.35	*
18	COLOGNE	5.39	3.84	
19	MUSK	5.74	3.46	
20	PERFUMERY	22.90	16.88	****
21	FRAGRANT	43.11	32.59	********
22	AROMATIC	41.42	32.07	********
23	HONEY	2.36	1.20	
24	CHERRY (BERRY)	2.36	1.44	
25	ALMOND	12.81	7.70	*
26	NAIL POLISH REMOVER	7.75	4.79	*
27	NUTTY (WALNUT ETC)	6.07	3.72	
28	SPICY	19.19	11.81	**
29	CLOVE	5.39	2.89	
30	CINNAMON	4.04	2.33	
31	LAUREL LEAVES	1.68	1.06	
32	TEA LEAVES	2.36	1.26	
33	SEASONING (FOR MEAT)	0.34	0.15	
34	BLACK PEPPER	1.35	0.60	
35	GREEN PEPPER	0.68	0.37	
36	DILL	2.36	1.32	
37	CARAWAY	1.69	0.89	
38	OAK WOOD, COGNAC	10.78	6.38	*
39	WOODY, RESINOUS	35.37	25.13	******
40	CEDARWOOD	14.83	9.48	**
41	MOTHBALLS	8.08	4.54	*
42	MINTY, PEPPERMINT	11.45	6.32	*
43	CAMPHOR	18.20	11.56	**
44	EUCALIPTUS	10.78	6.85	*
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.02	0.97	
47	SWEET	27.96	19.10	****
48	MAPLE SYRUP	0.68	0.43	
49	CARAMEL	0.34	0.15	
50	MALTY	1.01	0.58	
51	RAISINS	0.34	0.30	
52	MOLASSES	0.34	0.15	
53	COCONUT	5.06	3.36	
54	ANISE (LICORICE)	9.10	6.92	*
55	ALCOHOLIC	12.46	8.08	**
56	ETHERISH, ANAESTHETIC	21.90	14.06	***
57	CLEANING FLUID	11.11	6.75	*
58	GASOLINE, SOLVENT	11.79	7.44	*
59	TURPENTINE (PINE OIL)	23.92	16.26	****
60	GERANIUM LEAVES	5.73	3.57	
61	CELERY	0.34	0.21	
62	FRESH GREEN VEGETABLES	1.69	1.00	

63	CRUSHED WEEDS	5.39	2.82	
64	CRUSHED GRASS	2.02	1.27	
65	HERBAL, GREEN, CUT GRASS	25.61	16.46	****
66	RAW CUCUMBER	1.35	0.85	
67	HAY	2.69	1.90	
68	GRAINY (AS GRAIN)	1.35	0.74	
69	YEASTY	0.67	0.36	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.34	0.15	
72	FERMENTED (ROTTEN) FRUIT	2.36	1.44	
73	BEERY	0.00	0.00	
74	SOAPY	11.46	7.71	*
75	LEATHER	6.06	3.12	
76	CARDBOARD	2.70	1.34	
77	ROPE	1.69	0.83	
78	WET PAPER	1.35	0.73	
79	WET WOOL, WET DOG	0.67	0.42	
80	DIRTY LINEN	0.67	0.37	
81	STALE	5.39	3.01	
82	MUSTY, EARTHY, MOLDY	16.85	10.60	**
83	RAW POTATO	1.01	0.59	
84	MOUSE	0.34	0.21	
85	MUSHROOM	1.35	0.84	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.34	0.79	
88	EGGY (FRESH EGGS)	0.34	0.21	
89	BARK, BIRCH BARK	10.45	6.66	*
90	CORK	1.01	0.45	
91	BURNT, SMOKY	8.08	4.84	*
92	FRESH TOBACCO SMOKE	0.68	0.48	
93	INCENSE	11.46	7.15	*
94	COFFEE	0.68	0.37	
95	STALE TOBACCO SMOKE	0.34	0.15	
96	BURNT PAPER	1.35	0.85	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.67	0.36	
99	TAR	5.39	3.45	
100	CREOSOTE	7.75	5.06	*
101	DISINFECTANT, CARBOLIC	18.18	11.71	**
102	MEDICINAL	20.89	14.03	***
103	CHEMICAL	30.65	22.27	*****
104	BITTER	6.07	3.78	
105	SHARP, PUNGENT, ACID	26.26	17.27	****
106	SOUR, VINEGAR	8.08	4.59	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.73	3.34	
109	URINE	0.67	0.47	
110	CAT URINE	0.34	0.15	
111	FISHY	0.34	0.15	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	2.69	1.81	
115	SOOTY	0.34	0.21	
116	BURNT CANDLE	4.39	2.71	
117	KEROSENE	7.42	4.00	*
118	OILY, FATTY	23.57	16.95	****
119	BUTTERY, FRESH BUTTER	1.01	0.51	
120	PAINT	20.88	14.29	***
121	VARNISH	16.83	10.96	**
122	POPCORN	0.67	0.30	
123	FRIED CHICKEN	0.34	0.21	
124	MEATY (COOKED, GOOD)	0.34	0.15	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.67	0.51	
127	RANCID	10.44	6.86	*
128	SWEATY	10.77	7.13	*
129	CHEESY	1.69	0.89	
130	HOUSEHOLD GAS	1.35	0.74	
131	SULFIDIC	2.02	1.27	
132	GARLIC, ONION	0.34	0.15	
133	METALLIC	6.73	4.67	*
134	BLOOD, RAW MEAT	0.34	0.26	
135	ANIMAL	2.36	1.54	
136	SEWER	1.35	0.85	
137	PUTRID, FOUL, DECAYED	2.02	1.15	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.67	0.43	
140	SICKENING	14.15	9.65	**
141	DRY, POWDERY	7.74	4.67	*
142	CHALKY	1.35	1.03	
143	LIGHT	13.14	8.88	**
144	HEAVY	36.71	27.14	******
145	COOL, COOLING	16.16	10.59	**
146	WARM	13.47	9.17	**

TABLE 73—Hexanal

N-HEXANAL
CAPROIC ALDEHYDE
CAPROALDEHYDE

CHEM. ABSTR. REG. NO. 68-25-1
C6 H12 O1
MOL. WT. 100.1

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

$CH_3(CH_2)_4CHO$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.43	1.11	
2	LEMON	0.71	0.45	
3	GRAPEFRUIT	0.71	0.32	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	10.71	7.53	*
6	PINEAPPLE	1.43	0.90	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.71	0.32	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.57	2.86	
11	CANTALOUPE, HONEY DEW MELON	2.86	1.56	
12	PEACH (FRUIT)	0.71	0.45	
13	BANANA	0.71	0.64	
14	FLORAL	6.43	4.39	*
15	ROSE	1.43	1.01	
16	VIOLETS	0.71	0.71	
17	LAVENDER	0.71	0.55	
18	COLOGNE	1.43	0.90	
19	MUSK	2.86	1.69	
20	PERFUMERY	3.57	2.58	
21	FRAGRANT	21.43	16.51	****
22	AROMATIC	17.86	13.92	***
23	HONEY	1.43	0.78	
24	CHERRY (BERRY)	0.71	0.32	
25	ALMOND	15.00	10.04	**
26	NAIL POLISH REMOVER	0.71	0.32	
27	NUTTY (WALNUT ETC)	15.71	10.80	**
28	SPICY	3.57	2.37	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	2.14	1.24	
32	TEA LEAVES	2.14	1.36	
33	SEASONING (FOR MEAT)	3.57	2.02	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	4.29	2.60	
36	DILL	2.14	1.24	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.57	2.58	
39	WOODY, RESINOUS	34.29	21.80	*****
40	CEDARWOOD	4.29	2.35	
41	MOTHBALLS	1.43	0.90	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	2.14	1.11	
44	EUCALIPTUS	2.86	1.43	
45	CHOCOLATE	2.14	1.56	
46	VANILLA	0.71	0.45	
47	SWEET	16.43	9.44	**
48	MAPLE SYRUP	1.43	0.90	
49	CARAMEL	0.71	0.45	
50	MALTY	10.00	5.86	*
51	RAISINS	1.43	0.90	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.14	1.24	
54	ANISE (LICORICE)	1.43	0.90	
55	ALCOHOLIC	0.71	0.45	
56	ETHERISH, ANAESTHETIC	2.14	1.24	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	2.86	1.56	
60	GERANIUM LEAVES	3.57	2.02	
61	CELERY	5.71	3.26	
62	FRESH GREEN VEGETABLES	22.86	15.12	***

63	CRUSHED WEEDS	15.00	10.45	**
64	CRUSHED GRASS	17.14	12.71	***
65	HERBAL, GREEN, CUT GRASS	31.43	24.07	******
66	RAW CUCUMBER	5.00	2.93	
67	HAY	6.43	3.95	
68	GRAINY (AS GRAIN)	12.86	9.77	**
69	YEASTY	6.43	3.83	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.71	0.45	
72	FERMENTED (ROTTEN) FRUIT	2.86	1.81	
73	BEERY	0.00	0.00	
74	SOAPY	2.86	2.02	
75	LEATHER	5.71	3.13	
76	CARDBOARD	15.00	10.14	**
77	ROPE	5.00	2.80	
78	WET PAPER	7.86	5.08	*
79	WET WOOL, WET DOG	5.00	2.93	
80	DIRTY LINEN	2.86	2.02	
81	STALE	14.29	9.26	**
82	MUSTY, EARTHY, MOLDY	25.00	14.88	***
83	RAW POTATO	7.14	4.84	*
84	MOUSE	3.57	2.26	
85	MUSHROOM	4.29	2.35	
86	PEANUT BUTTER	7.14	5.05	*
87	BEANY	5.00	2.67	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.43	4.29	*
90	CORK	7.86	4.49	*
91	BURNT, SMOKY	10.00	5.61	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.71	0.45	
94	COFFEE	0.71	0.45	
95	STALE TOBACCO SMOKE	0.71	0.55	
96	BURNT PAPER	2.14	0.96	
97	BURNT MILK	0.71	0.32	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.71	0.32	
100	CREOSOTE	0.71	0.45	
101	DISINFECTANT, CARBOLIC	1.43	0.90	
102	MEDICINAL	5.00	2.93	
103	CHEMICAL	10.00	6.55	*
104	BITTER	1.43	0.64	
105	SHARP, PUNGENT, ACID	15.71	9.59	**
106	SOUR, VINEGAR	9.29	5.15	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.71	0.32	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	2.14	1.24	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.71	0.55	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.71	0.45	
116	BURNT CANDLE	1.43	0.78	
117	KEROSENE	2.14	0.96	
118	OILY, FATTY	27.14	17.83	****
119	BUTTERY, FRESH BUTTER	2.86	1.81	
120	PAINT	10.71	6.31	*
121	VARNISH	1.43	0.64	
122	POPCORN	4.29	2.47	
123	FRIED CHICKEN	1.43	0.64	
124	MEATY (COOKED, GOOD)	6.43	3.95	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	4.29	1.92	
127	RANCID	9.29	6.52	*
128	SWEATY	13.57	8.92	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.71	0.32	
131	SULFIDIC	3.57	1.89	
132	GARLIC, ONION	2.86	1.56	
133	METALLIC	4.29	2.35	
134	BLOOD, RAW MEAT	4.29	2.60	
135	ANIMAL	7.14	4.52	*
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	7.14	4.40	*
138	FECAL (LIKE MANURE)	0.71	0.32	
139	CADAVEROUS (DEAD ANIMAL)	2.14	0.96	
140	SICKENING	12.14	8.01	**
141	DRY, POWDERY	14.29	7.82	*
142	CHALKY	2.14	1.24	
143	LIGHT	18.57	13.03	***
144	HEAVY	18.57	12.93	***
145	COOL, COOLING	7.14	4.29	*
146	WARM	12.14	8.01	**

TABLE 74—Hexanoic acid

CAPROIC ACID

CHEM. ABSTR. REG. NO. 142-62-1
C6 H12 O2
MOL. WT. 116.2

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 136
PERCENT WHO DETECTED ODOR..... 97

$CH_3(CH_2)_4COOH$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.74	0.66	
2	LEMON	1.47	1.14	
3	GRAPEFRUIT	0.74	0.47	
4	ORANGE	0.74	0.66	
5	FRUITY, OTHER THAN CITRUS	3.68	2.55	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.47	1.14	
12	PEACH (FRUIT)	0.74	0.57	
13	BANANA	0.74	0.33	
14	FLORAL	2.94	1.86	
15	ROSE	2.21	1.40	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.74	0.33	
18	COLOGNE	0.74	0.57	
19	MUSK	5.88	2.94	
20	PERFUMERY	2.94	1.97	
21	FRAGRANT	11.76	7.78	*
22	AROMATIC	9.56	6.49	*
23	HONEY	1.47	0.81	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.21	1.40	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	2.21	1.14	
28	SPICY	0.74	0.57	
29	CLOVE	0.74	0.33	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.47	0.66	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.74	0.74	
35	GREEN PEPPER	0.00	0.00	
36	DILL	4.41	2.67	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.74	0.33	
39	WOODY, RESINOUS	16.18	9.88	**
40	CEDARWOOD	2.21	0.99	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.74	0.47	
46	VANILLA	0.74	0.33	
47	SWEET	6.62	4.73	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.74	0.33	
50	MALTY	3.68	2.08	
51	RAISINS	0.74	0.33	
52	MOLASSES	0.74	0.33	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	5.15	3.01	
57	CLEANING FLUID	2.21	1.14	
58	GASOLINE, SOLVENT	1.47	0.66	
59	TURPENTINE (PINE OIL)	0.74	0.33	
60	GERANIUM LEAVES	0.74	0.33	
61	CELERY	1.47	0.81	
62	FRESH GREEN VEGETABLES	2.94	1.61	

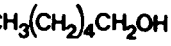
63	CRUSHED WEEDS	2.21	1.27	
64	CRUSHED GRASS	2.94	1.86	
65	HERBAL, GREEN, CUT GRASS	8.82	5.22	*
66	RAW CUCUMBER	2.21	1.27	
67	HAY	2.94	1.61	
68	GRAINY (AS GRAIN)	2.94	1.97	
69	YEASTY	5.88	3.83	
70	BAKERY (FRESH BREAD)	0.74	0.33	
71	SOUR MILK	8.09	5.00	*
72	FERMENTED (ROTTEN) FRUIT	8.82	5.22	*
73	BEERY	1.47	0.66	
74	SOAPY	2.94	1.97	
75	LEATHER	3.68	1.80	
76	CARDBOARD	2.21	1.27	
77	ROPE	3.68	2.08	
78	WET PAPER	2.94	1.74	
79	WET WOOL, WET DOG	8.09	5.23	*
80	DIRTY LINEN	11.03	6.49	*
81	STALE	13.24	7.89	*
82	MUSTY, EARTHY, MOLDY	17.65	12.79	***
83	RAW POTATO	1.47	0.81	
84	MOUSE	2.94	2.28	
85	MUSHROOM	1.47	0.66	
86	PEANUT BUTTER	2.21	0.99	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	2.94	1.74	
89	BARK, BIRCH BARK	2.21	1.14	
90	CORK	4.41	2.90	
91	BURNT, SMOKY	5.88	3.22	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.74	0.66	
94	COFFEE	0.74	0.33	
95	STALE TOBACCO SMOKE	1.47	0.81	
96	BURNT PAPER	0.74	0.47	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.47	0.81	
100	CREOSOTE	1.47	0.66	
101	DISINFECTANT, CARBOLIC	2.94	1.86	
102	MEDICINAL	2.21	0.99	
103	CHEMICAL	11.76	8.00	**
104	BITTER	8.09	5.12	*
105	SHARP, PUNGENT, ACID	33.82	24.12	******
106	SOUR, VINEGAR	45.59	33.16	********
107	SAUERKRAUT	4.41	2.13	
108	AMMONIA	5.15	3.37	
109	URINE	15.44	10.87	**
110	CAT URINE	9.56	5.81	*
111	FISHY	5.88	3.60	
112	KIPPERY (SMOKED FISH)	0.74	0.33	
113	SEMINAL, SPERM-LIKE	4.41	3.32	
114	NEW RUBBER	0.74	0.33	
115	SOOTY	1.47	0.93	
116	BURNT CANDLE	1.47	0.93	
117	KEROSENE	0.74	0.47	
118	OILY, FATTY	21.32	14.06	***
119	BUTTERY, FRESH BUTTER	2.94	1.61	
120	PAINT	5.88	3.22	
121	VARNISH	3.68	2.08	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.74	0.47	
127	RANCID	32.35	22.56	*****
128	SWEATY	41.91	29.37	*******
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	8.82	4.83	*
132	GARLIC, ONION	2.21	1.27	
133	METALLIC	2.94	2.18	
134	BLOOD, RAW MEAT	6.62	3.95	
135	ANIMAL	13.97	9.07	**
136	SEWER	4.41	3.01	
137	PUTRID, FOUL, DECAYED	23.53	15.78	***
138	FECAL (LIKE MANURE)	14.71	9.75	**
139	CADAVEROUS (DEAD ANIMAL)	6.62	3.56	
140	SICKENING	43.38	30.62	*******
141	DRY, POWDERY	5.15	2.89	
142	CHALKY	1.47	1.04	
143	LIGHT	9.56	6.60	*
144	HEAVY	18.38	13.15	***
145	COOL, COOLING	2.94	1.61	
146	WARM	8.82	5.81	*

TABLE 75—Hexanol: 1-Hexanol

N-HEXYL ALCOHOL
HEXYL ALCOHOL

CHEM. ABSTR. REG. NO. 111-27-3
C6 H14 01
MOL. WT. 102.1

CONCENTRATION, ML/LITER..... 200
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

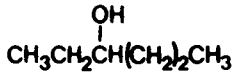
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.05	3.40	
2	LEMON	4.04	2.55	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.70	1.58	
5	FRUITY, OTHER THAN CITRUS	11.12	7.07	*
6	PINEAPPLE	2.36	1.19	
7	GRAPE JUICE	0.34	0.26	
8	STRAWBERRY	2.03	1.23	
9	APPLE (FRUIT)	0.34	0.26	
10	PEAR	2.02	1.11	
11	CANTALOUPE, HONEY DEW MELON	3.04	1.50	
12	PEACH (FRUIT)	1.68	0.94	
13	BANANA	3.03	1.75	
14	FLORAL	19.87	13.59	***
15	ROSE	9.44	6.18	*
16	VIOLETS	5.40	3.25	
17	LAVENDER	6.74	4.47	*
18	COLOGNE	4.71	3.09	
19	MUSK	10.77	6.42	*
20	PERFUMERY	15.84	10.38	**
21	FRAGRANT	44.47	31.61	*******
22	AROMATIC	41.08	31.99	*******
23	HONEY	3.03	1.49	
24	CHERRY (BERRY)	5.05	3.19	
25	ALMOND	24.59	16.08	****
26	NAIL POLISH REMOVER	11.11	7.02	*
27	NUTTY (WALNUT ETC)	12.46	7.66	*
28	SPICY	13.47	8.25	**
29	CLOVE	3.37	1.90	
30	CINNAMON	3.03	1.97	
31	LAUREL LEAVES	4.04	2.49	
32	TEA LEAVES	2.70	1.52	
33	SEASONING (FOR MEAT)	0.68	0.52	
34	BLACK PEPPER	0.67	0.37	
35	GREEN PEPPER	1.69	1.07	
36	DILL	2.02	1.10	
37	CARAWAY	1.68	1.12	
38	OAK WOOD, COGNAC	11.12	6.63	*
39	WOODY, RESINOUS	40.06	28.86	*******
40	CEDARWOOD	12.81	8.41	**
41	MOTHBALLS	8.42	4.88	*
42	MINTY, PEPPERMINT	6.73	3.84	
43	CAMPHOR	16.17	10.43	**
44	EUCALIPTUS	8.09	4.94	*
45	CHOCOLATE	0.68	0.43	
46	VANILLA	3.02	1.49	
47	SWEET	27.95	18.46	****
48	MAPLE SYRUP	2.02	0.97	
49	CARAMEL	1.01	0.45	
50	MALTY	1.68	1.06	
51	RAISINS	1.01	0.58	
52	MOLASSES	0.34	0.15	
53	COCONUT	4.38	2.91	
54	ANISE (LICORICE)	7.41	4.23	*
55	ALCOHOLIC	13.14	8.92	**
56	ETHERISH, ANAESTHETIC	26.94	18.86	****
57	CLEANING FLUID	13.13	8.96	**
58	GASOLINE, SOLVENT	11.78	7.76	*
59	TURPENTINE (PINE OIL)	18.18	12.31	***
60	GERANIUM LEAVES	7.08	4.26	*
61	CELERY	1.68	0.95	
62	FRESH GREEN VEGETABLES	7.75	4.57	*

63	CRUSHED WEEDS	8.09	5.06	*
64	CRUSHED GRASS	12.47	8.44	**
65	HERBAL, GREEN, CUT GRASS	30.65	21.10	*****
66	RAW CUCUMBER	2.02	1.16	
67	HAY	5.39	2.94	
68	GRAINY (AS GRAIN)	2.36	1.47	
69	YEASTY	1.01	0.58	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.34	0.21	
72	FERMENTED (ROTTEN) FRUIT	5.05	3.13	
73	BEERY	1.35	1.00	
74	SOAPY	5.04	3.19	
75	LEATHER	7.41	4.89	*
76	CARDBOARD	4.38	2.30	
77	ROPE	1.35	0.73	
78	WET PAPER	3.70	2.02	
79	WET WOOL, WET DOG	1.35	0.73	
80	DIRTY LINEN	1.01	0.69	
81	STALE	5.04	3.29	
82	MUSTY, EARTHY, MOLDY	21.56	14.61	***
83	RAW POTATO	2.02	1.32	
84	MOUSE	1.01	0.58	
85	MUSHROOM	2.36	1.38	
86	PEANUT BUTTER	2.02	1.20	
87	BEANY	2.36	1.37	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.74	5.45	*
90	CORK	4.04	2.21	
91	BURNT, SMOKY	10.78	6.75	*
92	FRESH TOBACCO SMOKE	0.68	0.30	
93	INCENSE	10.44	7.11	*
94	COFFEE	0.34	0.15	
95	STALE TOBACCO SMOKE	1.35	0.60	
96	BURNT PAPER	1.01	0.67	
97	BURNT MILK	0.34	0.21	
98	BURNT RUBBER	1.01	0.69	
99	TAR	6.06	3.67	
100	CREOSOTE	9.43	6.06	*
101	DISINFECTANT, CARBOLIC	18.86	12.75	***
102	MEDICINAL	23.24	14.70	***
103	CHEMICAL	30.31	21.81	*****
104	BITTER	6.41	4.41	*
105	SHARP, PUNGENT, ACID	27.27	18.77	****
106	SOUR, VINEGAR	5.39	3.07	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.72	3.45	
109	URINE	2.69	1.59	
110	CAT URINE	1.01	0.63	
111	FISHY	1.01	0.58	
112	KIPPERY (SMOKED FISH)	0.68	0.30	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	3.03	2.16	
115	SOOTY	2.35	1.26	
116	BURNT CANDLE	4.37	2.59	
117	KEROSENE	7.41	4.36	*
118	OILY, FATTY	17.84	12.64	***
119	BUTTERY, FRESH BUTTER	0.67	0.41	
120	PAINT	19.19	13.16	***
121	VARNISH	15.49	10.36	**
122	POPCORN	0.67	0.47	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.34	0.21	
125	SOUPY	0.34	0.26	
126	COOKED VEGETABLES	1.68	1.11	
127	RANCID	7.74	5.19	*
128	SWEATY	8.41	5.73	*
129	CHEESY	1.68	1.12	
130	HOUSEHOLD GAS	1.69	0.83	
131	SULFIDIC	3.71	2.24	
132	GARLIC, ONION	1.35	0.79	
133	METALLIC	5.73	3.42	
134	BLOOD, RAW MEAT	0.34	0.15	
135	ANIMAL	1.68	1.06	
136	SEWER	1.01	0.78	
137	PUTRID, FOUL, DECAYED	2.69	1.74	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.34	0.15	
140	SICKENING	15.15	10.03	**
141	DRY, POWDERY	4.37	2.60	
142	CHALKY	2.02	1.10	
143	LIGHT	16.84	10.93	**
144	HEAVY	33.67	25.28	******
145	COOL, COOLING	17.86	10.91	**
146	WARM	15.48	10.65	**

TABLE 76—Hexanol: 3-Hexanol

CHEM. ABSTR. REG. NO. 623-37-0
C6 H14 O1
MOL. WT. 102.1

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 135
PERCENT WHO DETECTED ODOR..... 97



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

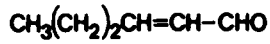
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.48	1.05	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.22	1.52	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	1.48	0.66	
14	FLORAL	2.22	1.62	
15	ROSE	0.00	0.00	
16	VIOLETS	0.74	0.47	
17	LAVENDER	0.74	0.66	
18	COLOGNE	0.74	0.33	
19	MUSK	0.00	0.00	
20	PERFUMERY	4.44	2.43	
21	FRAGRANT	19.26	13.30	***
22	AROMATIC	22.22	16.53	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.74	0.57	
25	ALMOND	2.96	1.75	
26	NAIL POLISH REMOVER	25.19	18.22	****
27	NUTTY (WALNUT ETC)	0.74	0.57	
28	SPICY	4.44	2.30	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.74	0.33	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.74	0.33	
39	WOODY, RESINOUS	7.41	4.44	*
40	CEDARWOOD	1.48	0.81	
41	MOTHBALLS	2.22	1.28	
42	MINTY, PEPPERMINT	4.44	2.30	
43	CAMPHOR	8.15	5.15	*
44	EUCALIPTUS	2.96	1.62	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	6.67	3.98	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.74	0.57	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	43.70	36.70	*********
56	ETHERISH, ANAESTHETIC	42.22	33.18	********
57	CLEANING FLUID	22.22	15.07	***
58	GASOLINE, SOLVENT	27.41	18.02	****
59	TURPENTINE (PINE OIL)	18.52	11.71	**
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.74	0.74	
62	FRESH GREEN VEGETABLES	1.48	0.81	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	7.41	4.68	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.48	1.05	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.48	1.05	
73	BEERY	0.00	0.00	
74	SOAPY	1.48	0.81	
75	LEATHER	2.22	1.15	
76	CARDBOARD	1.48	0.81	
77	ROPE	1.48	0.94	
78	WET PAPER	1.48	0.66	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.22	1.41	
82	MUSTY, EARTHY, MOLDY	2.96	1.87	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.48	0.66	
90	CORK	0.74	0.33	
91	BURNT, SMOKY	0.74	0.33	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.22	1.28	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.96	1.62	
100	CREOSOTE	4.44	2.30	
101	DISINFECTANT, CARBOLIC	20.74	14.35	***
102	MEDICINAL	34.07	25.12	******
103	CHEMICAL	29.63	22.47	*****
104	BITTER	1.48	0.94	
105	SHARP, PUNGENT, ACID	21.48	14.71	***
106	SOUR, VINEGAR	7.41	4.80	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	12.59	8.64	**
109	URINE	1.48	0.81	
110	CAT URINE	0.74	0.33	
111	FISHY	0.74	0.47	
112	KIPPERY (SMOKED FISH)	0.74	0.47	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.74	0.33	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	5.93	3.63	
118	OILY, FATTY	5.93	4.19	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	17.78	11.59	**
121	VARNISH	14.07	9.36	**
122	POPCORN	0.74	0.33	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.74	0.47	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.74	0.47	
127	RANCID	1.48	1.15	
128	SWEATY	3.70	2.34	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.74	0.47	
131	SULFIDIC	0.74	0.33	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.48	0.66	
134	BLOOD, RAW MEAT	1.48	0.81	
135	ANIMAL	0.00	0.00	
136	SEWER	0.74	0.57	
137	PUTRID, FOUL, DECAYED	1.48	1.05	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	9.63	6.43	*
141	DRY, POWDERY	2.22	1.72	
142	CHALKY	0.00	0.00	
143	LIGHT	22.96	15.97	***
144	HEAVY	14.07	10.41	**
145	COOL, COOLING	18.52	12.51	***
146	WARM	5.93	4.19	*

TABLE 77—Hexenal: trans-1-Hexenal

2-HEXENAL, TRANS
2-HEXENAL, E

CHEM. ABSTR. REG. NO. 6728-26-3
C6 H10 O1
MOL. WT. 98.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.32	2.84	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.44	0.64	
5	FRUITY, OTHER THAN CITRUS	29.50	23.85	*****
6	PINEAPPLE	1.44	0.91	
7	GRAPE JUICE	1.44	0.79	
8	STRAWBERRY	3.60	2.39	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.16	1.58	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.32	
12	PEACH (FRUIT)	2.16	1.58	
13	BANANA	6.47	5.63	*
14	FLORAL	11.51	7.72	*
15	ROSE	4.32	2.61	
16	VIOLETS	1.44	0.91	
17	LAVENDER	0.72	0.32	
18	COLOGNE	2.88	1.70	
19	MUSK	2.88	1.70	
20	PERFUMERY	9.35	6.25	*
21	FRAGRANT	45.32	32.30	********
22	AROMATIC	30.94	22.03	*****
23	HONEY	3.60	2.03	
24	CHERRY (BERRY)	17.27	14.27	***
25	ALMOND	37.41	29.16	*******
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	7.19	5.09	*
28	SPICY	20.86	15.97	***
29	CLOVE	5.04	2.95	
30	CINNAMON	25.18	19.32	****
31	LAUREL LEAVES	0.72	0.56	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	0.72	0.32	
34	BLACK PEPPER	0.72	0.32	
35	GREEN PEPPER	0.72	0.64	
36	DILL	0.72	0.46	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	12.95	8.19	**
40	CEDARWOOD	2.16	0.97	
41	MOTHBALLS	2.16	1.11	
42	MINTY, PEPPERMINT	10.07	6.02	*
43	CAMPHOR	3.60	1.90	
44	EUCALIPTUS	3.60	1.90	
45	CHOCOLATE	0.72	0.32	
46	VANILLA	10.07	5.77	*
47	SWEET	50.36	37.49	*********
48	MAPLE SYRUP	2.88	1.58	
49	CARAMEL	2.16	0.97	
50	MALTY	3.60	1.90	
51	RAISINS	1.44	1.02	
52	MOLASSES	1.44	0.64	
53	COCONUT	6.47	4.32	*
54	ANISE (LICORICE)	4.32	2.49	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	3.60	2.03	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	2.88	1.58	
59	TURPENTINE (PINE OIL)	2.16	1.58	
60	GERANIUM LEAVES	2.88	1.44	
61	CELERY	1.44	0.64	
62	FRESH GREEN VEGETABLES	4.32	3.05	

63	CRUSHED WEEDS	5.76	3.40	
64	CRUSHED GRASS	4.32	2.36	
65	HERBAL, GREEN, CUT GRASS	18.71	13.23	***
66	RAW CUCUMBER	2.16	1.25	
67	HAY	0.72	0.32	
68	GRAINY (AS GRAIN)	1.44	0.91	
69	YEASTY	3.60	2.03	
70	BAKERY (FRESH BREAD)	1.44	1.02	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.44	0.91	
73	BEERY	0.00	0.00	
74	SOAPY	5.04	3.40	
75	LEATHER	0.72	0.32	
76	CARDBOARD	2.16	1.11	
77	ROPE	1.44	0.79	
78	WET PAPER	2.16	0.97	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.72	0.32	
81	STALE	4.32	2.61	
82	MUSTY, EARTHY, MOLDY	5.76	3.64	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.72	0.32	
87	BEANY	0.72	0.32	
88	EGGY (FRESH EGGS)	1.44	0.64	
89	BARK, BIRCH BARK	2.88	1.93	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	3.60	2.39	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.76	3.97	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.72	0.32	
96	BURNT PAPER	0.72	0.32	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.44	1.02	
100	CREOSOTE	0.72	0.32	
101	DISINFECTANT, CARBOLIC	3.60	2.39	
102	MEDICINAL	4.32	2.49	
103	CHEMICAL	7.91	5.44	*
104	BITTER	1.44	1.02	
105	SHARP, PUNGENT, ACID	10.07	6.48	*
106	SOUR, VINEGAR	5.04	3.07	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.72	0.32	
110	CAT URINE	0.72	0.46	
111	FISHY	1.44	0.91	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.44	0.91	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.72	0.56	
117	KEROSENE	0.72	0.32	
118	OILY, FATTY	13.67	8.41	**
119	BUTTERY, FRESH BUTTER	3.60	2.03	
120	PAINT	8.63	5.46	*
121	VARNISH	2.16	1.37	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	10.79	6.71	*
128	SWEATY	5.04	2.82	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.72	0.32	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.60	1.90	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	1.44	0.79	
137	PUTRID, FOUL, DECAYED	2.16	1.11	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	7.91	5.23	*
141	DRY, POWDERY	3.60	2.59	
142	CHALKY	0.72	0.56	
143	LIGHT	17.27	11.90	**
144	HEAVY	17.27	11.90	**
145	COOL, COOLING	15.11	10.53	**
146	WARM	11.51	8.92	**

TABLE 78—Hexyl Amine (Lower Concentration)

HEXANE, 1-AMINO
N-HEXYL AMINE

CHEM. ABSTR. REG. NO. 111-26-2
C6 H15 N1
MOL. WT. 101.1

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 147
PERCENT WHO DETECTED ODOR..... 99

$CH_3(CH_2)_4CH_2NH_2$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.68	0.30	
2	LEMON	0.68	0.30	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.36	0.86	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	2.04	1.05	
10	PEAR	0.68	0.30	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.68	0.30	
13	BANANA	0.00	0.00	
14	FLORAL	2.72	1.36	
15	ROSE	0.68	0.30	
16	VIOLETS	0.68	0.30	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	6.12	3.53	
20	PERFUMERY	1.36	0.86	
21	FRAGRANT	12.93	9.74	**
22	AROMATIC	15.65	12.12	***
23	HONEY	0.68	0.43	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.68	0.30	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.36	0.86	
28	SPICY	2.72	1.72	
29	CLOVE	1.36	0.96	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.68	0.53	
34	BLACK PEPPER	0.68	0.30	
35	GREEN PEPPER	1.36	0.75	
36	DILL	0.68	0.30	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.36	0.61	
39	WOODY, RESINOUS	16.33	10.00	**
40	CEDARWOOD	4.76	3.01	
41	MOTHBALLS	0.68	0.43	
42	MINTY, PEPPERMINT	0.68	0.30	
43	CAMPHOR	1.36	0.75	
44	EUCALIPTUS	2.04	1.39	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	2.72	1.36	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.72	1.92	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.68	0.30	
54	ANISE (LICORICE)	0.68	0.53	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	4.08	2.47	
57	CLEANING FLUID	2.04	0.91	
58	GASOLINE, SOLVENT	0.68	0.30	
59	TURPENTINE (PINE OIL)	0.68	0.30	
60	GERANIUM LEAVES	7.48	5.97	*
61	CELERY	2.72	1.49	
62	FRESH GREEN VEGETABLES	2.72	1.49	

63	CRUSHED WEEDS	6.80	4.30	*
64	CRUSHED GRASS	10.20	5.77	*
65	HERBAL, GREEN, CUT GRASS	14.29	10.43	**
66	RAW CUCUMBER	0.68	0.30	
67	HAY	3.40	2.15	
68	GRAINY (AS GRAIN)	0.68	0.30	
69	YEASTY	2.72	1.36	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.36	0.61	
72	FERMENTED (ROTTEN) FRUIT	0.68	0.68	
73	BEERY	0.68	0.30	
74	SOAPY	1.36	0.86	
75	LEATHER	2.72	1.49	
76	CARDBOARD	2.72	1.72	
77	ROPE	2.72	1.22	
78	WET PAPER	2.72	1.72	
79	WET WOOL, WET DOG	6.80	4.08	*
80	DIRTY LINEN	4.08	2.69	
81	STALE	11.56	7.21	*
82	MUSTY, EARTHY, MOLDY	26.53	18.42	****
83	RAW POTATO	5.44	3.55	
84	MOUSE	5.44	2.98	
85	MUSHROOM	8.16	4.94	*
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.36	0.86	
88	EGGY (FRESH EGGS)	1.36	0.75	
89	BARK, BIRCH BARK	5.44	3.10	
90	CORK	1.36	0.61	
91	BURNT, SMOKY	12.24	8.16	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.40	2.15	
96	BURNT PAPER	1.36	0.75	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	4.08	2.69	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	4.08	2.11	
102	MEDICINAL	6.12	4.18	*
103	CHEMICAL	10.20	6.77	*
104	BITTER	3.40	2.26	
105	SHARP, PUNGENT, ACID	14.29	9.96	**
106	SOUR, VINEGAR	8.16	5.05	*
107	SAUERKRAUT	0.68	0.43	
108	AMMONIA	4.76	2.67	
109	URINE	2.04	1.18	
110	CAT URINE	2.72	1.49	
111	FISHY	54.42	46.66	**********
112	KIPPERY (SMOKED FISH)	26.53	21.33	*****
113	SEMINAL, SPERM-LIKE	2.72	1.22	
114	NEW RUBBER	2.04	1.39	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	2.04	1.29	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	23.13	16.35	****
119	BUTTERY, FRESH BUTTER	1.36	0.61	
120	PAINT	6.80	4.30	*
121	VARNISH	2.04	1.18	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	4.08	2.11	
125	SOUPY	2.04	1.05	
126	COOKED VEGETABLES	3.40	1.92	
127	RANCID	20.41	15.00	***
128	SWEATY	14.29	9.46	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	3.40	2.04	
131	SULFIDIC	6.12	3.41	
132	GARLIC, ONION	6.80	4.61	*
133	METALLIC	15.65	10.92	**
134	BLOOD, RAW MEAT	13.61	8.50	**
135	ANIMAL	12.93	8.17	**
136	SEWER	5.44	3.94	
137	PUTRID, FOUL, DECAYED	22.45	15.34	***
138	FECAL (LIKE MANURE)	5.44	3.10	
139	CADAVEROUS (DEAD ANIMAL)	10.20	6.35	*
140	SICKENING	45.58	31.10	*******
141	DRY, POWDERY	5.44	3.22	
142	CHALKY	0.68	0.43	
143	LIGHT	8.16	5.05	*
144	HEAVY	22.45	17.30	****
145	COOL, COOLING	1.36	0.61	
146	WARM	8.16	5.68	*

TABLE 79—Hexyl Amine (Higher Concentration)

HEXANE, 1-AMINO
N-HEXYL AMINE

CHEM. ABSTR. REG. NO. 111-26-2
C6 H15 N1
MOL. WT. 101.1

CONCENTRATION, ML/LITER..... 60
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

$CH_3(CH_2)_4CH_2NH_2$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

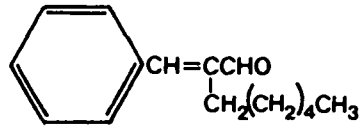
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.78	0.61	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.56	0.99	
11	CANTALOUPE, HONEY DEW MELON	0.78	0.35	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	3.13	2.71	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.78	0.35	
18	COLOGNE	0.78	0.35	
19	MUSK	3.13	2.10	
20	PERFUMERY	1.56	0.70	
21	FRAGRANT	4.69	3.63	
22	AROMATIC	10.16	7.45	*
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.78	0.49	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.56	0.86	
28	SPICY	4.69	2.42	
29	CLOVE	0.78	0.35	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.56	0.86	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	2.34	1.35	
35	GREEN PEPPER	3.13	2.32	
36	DILL	0.78	0.35	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.56	0.86	
39	WOODY, RESINOUS	10.16	6.90	*
40	CEDARWOOD	2.34	1.35	
41	MOTHBALLS	0.78	0.35	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	2.34	1.60	
44	EUCALIPTUS	0.78	0.35	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	3.91	2.59	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.56	0.86	
51	RAISINS	0.78	0.61	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.78	0.49	
56	ETHERISH, ANAESTHETIC	4.69	2.96	
57	CLEANING FLUID	2.34	1.35	
58	GASOLINE, SOLVENT	3.13	2.21	
59	TURPENTINE (PINE OIL)	2.34	1.35	
60	GERANIUM LEAVES	5.47	3.92	
61	CELERY	2.34	1.71	
62	FRESH GREEN VEGETABLES	10.16	7.13	*

63	CRUSHED WEEDS	8.59	6.66	*
64	CRUSHED GRASS	10.16	7.77	*
65	HERBAL, GREEN, CUT GRASS	19.53	15.13	***
66	RAW CUCUMBER	3.91	2.92	
67	HAY	2.34	1.60	
68	GRAINY (AS GRAIN)	1.56	0.99	
69	YEASTY	1.56	0.99	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.78	0.35	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.56	1.10	
75	LEATHER	0.78	0.61	
76	CARDBOARD	2.34	1.60	
77	ROPE	0.00	0.00	
78	WET PAPER	2.34	1.71	
79	WET WOOL, WET DOG	3.13	1.40	
80	DIRTY LINEN	2.34	1.35	
81	STALE	4.69	3.42	
82	MUSTY, EARTHY, MOLDY	16.41	10.74	**
83	RAW POTATO	2.34	1.21	
84	MOUSE	0.00	0.00	
85	MUSHROOM	2.34	1.21	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	3.13	2.80	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.56	0.86	
90	CORK	0.78	0.35	
91	BURNT, SMOKY	7.03	4.69	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.78	0.35	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.78	0.49	
96	BURNT PAPER	1.56	0.86	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.34	1.05	
99	TAR	1.56	1.10	
100	CREOSOTE	2.34	1.60	
101	DISINFECTANT, CARBOLIC	1.56	0.99	
102	MEDICINAL	5.47	3.46	
103	CHEMICAL	6.25	5.13	*
104	BITTER	4.69	2.42	
105	SHARP, PUNGENT, ACID	23.44	17.43	****
106	SOUR, VINEGAR	10.94	6.67	*
107	SAUERKRAUT	0.78	0.35	
108	AMMONIA	2.34	1.21	
109	URINE	0.00	0.00	
110	CAT URINE	1.56	0.86	
111	FISHY	52.34	47.17	**********
112	KIPPERY (SMOKED FISH)	14.84	11.19	**
113	SEMINAL, SPERM-LIKE	1.56	1.40	
114	NEW RUBBER	0.78	0.49	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.34	1.21	
118	OILY, FATTY	18.75	13.59	***
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	7.03	4.69	*
121	VARNISH	1.56	0.99	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.78	0.49	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	3.13	2.10	
127	RANCID	15.63	10.48	**
128	SWEATY	7.03	4.19	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	2.34	1.35	
131	SULFIDIC	3.13	1.98	
132	GARLIC, ONION	14.06	10.16	**
133	METALLIC	7.03	4.32	*
134	BLOOD, RAW MEAT	5.47	4.03	*
135	ANIMAL	4.69	3.42	
136	SEWER	2.34	1.21	
137	PUTRID, FOUL, DECAYED	20.31	14.47	***
138	FECAL (LIKE MANURE)	1.56	0.99	
139	CADAVEROUS (DEAD ANIMAL)	8.59	5.31	*
140	SICKENING	32.03	23.89	*****
141	DRY, POWDERY	3.91	2.47	
142	CHALKY	0.00	0.00	
143	LIGHT	6.25	4.42	*
144	HEAVY	24.22	19.16	****
145	COOL, COOLING	2.34	1.71	
146	WARM	10.16	7.24	

TABLE 80—Hexyl Cinnamic Aldehyde

OCTANAL, 2-(PHENYLMETHYLENE)
CINNAMALDEHYDE, ALPHA-HEXYL
2-BENZYLIDENE-OCTANAL

CHEM. ABSTR. REG. NO. 101-86-0
C15 H20 O1
MOL. WT. 216.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	135
PERCENT WHO DETECTED ODOR.....	96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

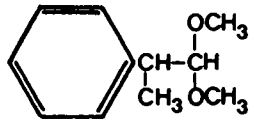
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	26.67	20.07	*****
2	LEMON	21.48	14.93	***
3	GRAPEFRUIT	8.89	5.50	*
4	ORANGE	15.56	10.84	**
5	FRUITY, OTHER THAN CITRUS	16.30	10.88	**
6	PINEAPPLE	4.44	3.04	
7	GRAPE JUICE	2.22	1.52	
8	STRAWBERRY	3.70	2.57	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.70	2.67	
11	CANTALOUPE, HONEY DEW MELON	5.19	3.04	
12	PEACH (FRUIT)	3.70	2.46	
13	BANANA	2.22	0.99	
14	FLORAL	28.15	19.80	****
15	ROSE	9.63	5.97	*
16	VIOLETS	5.19	3.16	
17	LAVENDER	6.67	4.22	*
18	COLOGNE	8.89	5.13	*
19	MUSK	1.48	1.05	
20	PERFUMERY	34.07	23.35	*****
21	FRAGRANT	54.81	40.40	**********
22	AROMATIC	35.56	25.04	******
23	HONEY	2.96	1.62	
24	CHERRY (BERRY)	3.70	2.22	
25	ALMOND	1.48	0.66	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	2.22	1.52	
28	SPICY	5.93	3.38	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.74	0.33	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	2.22	1.15	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.74	0.33	
36	DILL	1.48	0.94	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.96	1.62	
39	WOODY, RESINOUS	23.70	14.27	***
40	CEDARWOOD	6.67	4.10	*
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	1.48	0.94	
43	CAMPHOR	3.70	2.22	
44	EUCALIPTUS	0.74	0.47	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.22	1.15	
47	SWEET	39.26	24.83	******
48	MAPLE SYRUP	0.74	0.33	
49	CARAMEL	0.74	0.33	
50	MALTY	0.74	0.47	
51	RAISINS	1.48	0.66	
52	MOLASSES	0.74	0.47	
53	COCONUT	0.74	0.33	
54	ANISE (LICORICE)	0.74	0.47	
55	ALCOHOLIC	1.48	0.94	
56	ETHERISH, ANAESTHETIC	6.67	3.85	
57	CLEANING FLUID	1.48	0.94	
58	GASOLINE, SOLVENT	0.74	0.57	
59	TURPENTINE (PINE OIL)	1.48	0.81	
60	GERANIUM LEAVES	3.70	2.10	
61	CELERY	2.96	1.62	
62	FRESH GREEN VEGETABLES	4.44	2.93	

63	CRUSHED WEEDS	2.22	1.15	
64	CRUSHED GRASS	3.70	2.46	
65	HERBAL, GREEN, CUT GRASS	25.93	16.97	****
66	RAW CUCUMBER	0.74	0.33	
67	HAY	0.74	0.47	
68	GRAINY (AS GRAIN)	1.48	0.81	
69	YEASTY	2.22	1.41	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.74	0.47	
72	FERMENTED (ROTTEN) FRUIT	0.74	0.33	
73	BEERY	0.00	0.00	
74	SOAPY	8.15	5.38	*
75	LEATHER	4.44	2.81	
76	CARDBOARD	2.22	1.52	
77	ROPE	0.74	0.47	
78	WET PAPER	0.74	0.33	
79	WET WOOL, WET DOG	0.74	0.33	
80	DIRTY LINEN	0.00	0.00	
81	STALE	5.93	3.63	
82	MUSTY, EARTHY, MOLDY	10.37	6.20	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.74	0.33	
85	MUSHROOM	1.48	0.81	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.74	0.33	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.96	1.99	
90	CORK	4.44	1.99	
91	BURNT, SMOKY	2.22	1.15	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.67	5.16	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.74	0.47	
96	BURNT PAPER	1.48	0.81	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.96	1.48	
100	CREOSOTE	1.48	0.66	
101	DISINFECTANT, CARBOLIC	1.48	0.66	
102	MEDICINAL	2.96	1.87	
103	CHEMICAL	7.41	5.13	*
104	BITTER	2.96	1.75	
105	SHARP, PUNGENT, ACID	13.33	8.55	**
106	SOUR, VINEGAR	10.37	6.07	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.48	1.24	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.74	0.57	
115	SOOTY	1.48	0.66	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	8.15	4.53	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.74	0.57	
121	VARNISH	2.22	1.52	
122	POPCORN	0.74	0.33	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.96	1.87	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.48	0.66	
127	RANCID	2.22	1.28	
128	SWEATY	6.67	4.66	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.22	1.15	
132	GARLIC, ONION	2.22	1.28	
133	METALLIC	2.22	1.41	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.74	0.33	
136	SEWER	0.74	0.47	
137	PUTRID, FOUL, DECAYED	1.48	0.66	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.70	2.22	
141	DRY, POWDERY	6.67	4.22	*
142	CHALKY	1.48	0.81	
143	LIGHT	36.30	26.64	******
144	HEAVY	7.41	5.13	*
145	COOL, COOLING	11.11	7.91	*
146	WARM	9.63	6.32	*

TABLE 81—Hydratropic Aldehyde Dimethyl Acetal

BENZENE, '2,2-DIMETHOXY-1-METHYL ETHYL)-
HYDRATROPALDEHYDE, DIMETHYL ACETAL
1,1-DIMETHOXY-2-PHENYLPROPANE
2-PHENYLPROPANAL DIMETHYL ACETAL
METHYL PHENYL ACETALDEHYDE DIMETHYL ACETAL
HYDRATROPIC ALDEHYDE DMA

CHEM. ABSTR. REG. NO. 90-87-9
C11 H16 02
MOL. WT. 180.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 123
PERCENT WHO DETECTED ODOR..... 96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

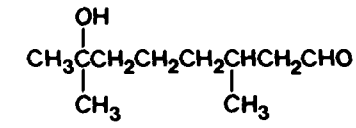
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.63	1.03	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	4.88	3.33	
6	PINEAPPLE	0.81	0.36	
7	GRAPE JUICE	1.63	1.03	
8	STRAWBERRY	0.81	0.51	
9	APPLE (FRUIT)	1.63	0.73	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	11.38	7.93	*
15	ROSE	2.44	1.67	
16	VIOLETS	3.25	2.18	
17	LAVENDER	4.07	2.44	
18	COLOGNE	4.07	2.30	
19	MUSK	4.88	2.95	
20	PERFUMERY	9.76	6.42	*
21	FRAGRANT	28.46	20.18	*****
22	AROMATIC	24.39	17.36	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	1.63	1.15	
25	ALMOND	1.63	1.03	
26	NAIL POLISH REMOVER	0.81	0.51	
27	NUTTY (WALNUT ETC)	2.44	1.41	
28	SPICY	12.20	7.32	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.81	0.36	
32	TEA LEAVES	0.81	0.51	
33	SEASONING (FOR MEAT)	0.81	0.51	
34	BLACK PEPPER	1.63	1.15	
35	GREEN PEPPER	0.81	0.51	
36	DILL	0.81	0.36	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.63	1.03	
39	WOODY, RESINOUS	22.76	15.03	***
40	CEDARWOOD	8.94	6.03	*
41	MOTHBALLS	4.88	2.67	
42	MINTY, PEPPERMINT	3.25	2.30	
43	CAMPHOR	8.13	5.14	*
44	EUCALIPTUS	0.81	0.73	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	16.26	10.41	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.63	1.15	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.88	2.95	
56	ETHERISH, ANAESTHETIC	4.88	3.21	
57	CLEANING FLUID	3.25	2.30	
58	GASOLINE, SOLVENT	4.07	3.04	
59	TURPENTINE (PINE OIL)	7.32	4.50	*
60	GERANIUM LEAVES	4.07	2.30	
61	CELERY	1.63	1.45	
62	FRESH GREEN VEGETABLES	3.25	1.92	

63	CRUSHED WEEDS	3.25	1.78	
64	CRUSHED GRASS	4.88	2.67	
65	HERBAL, GREEN, CUT GRASS	19.51	13.33	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.81	0.36	
68	GRAINY (AS GRAIN)	2.44	1.41	
69	YEASTY	4.07	2.44	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.81	0.73	
74	SOAPY	5.69	4.19	*
75	LEATHER	3.25	1.92	
76	CARDBOARD	2.44	1.78	
77	ROPE	2.44	1.26	
78	WET PAPER	2.44	1.26	
79	WET WOOL, WET DOG	0.81	0.36	
80	DIRTY LINEN	0.81	0.51	
81	STALE	2.44	1.54	
82	MUSTY, EARTHY, MOLDY	28.46	20.85	*****
83	RAW POTATO	4.07	2.70	
84	MOUSE	0.00	0.00	
85	MUSHROOM	15.45	12.28	***
86	PEANUT BUTTER	0.81	0.63	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.07	2.57	
90	CORK	0.81	0.36	
91	BURNT, SMOKY	12.20	7.04	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.94	7.43	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.63	1.03	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.81	0.36	
99	TAR	1.63	0.73	
100	CREOSOTE	2.44	1.67	
101	DISINFECTANT, CARBOLIC	8.94	5.66	*
102	MEDICINAL	7.32	5.56	*
103	CHEMICAL	13.01	9.20	**
104	BITTER	2.44	1.41	
105	SHARP, PUNGENT, ACID	8.13	4.45	*
106	SOUR, VINEGAR	8.13	5.14	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.63	1.03	
109	URINE	0.00	0.00	
110	CAT URINE	2.44	1.54	
111	FISHY	4.07	2.15	
112	KIPPERY (SMOKED FISH)	0.81	0.36	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	2.44	1.54	
115	SOOTY	1.63	0.73	
116	BURNT CANDLE	0.81	0.51	
117	KEROSENE	4.88	2.95	
118	OILY, FATTY	6.50	4.71	*
119	BUTTERY, FRESH BUTTER	0.81	0.51	
120	PAINT	13.01	8.85	**
121	VARNISH	6.50	4.11	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.81	0.51	
125	SOUPY	1.63	0.73	
126	COOKED VEGETABLES	1.63	1.03	
127	RANCID	8.94	6.15	*
128	SWEATY	8.13	5.01	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.63	0.73	
131	SULFIDIC	3.25	2.30	
132	GARLIC, ONION	2.44	1.09	
133	METALLIC	5.69	3.33	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	4.07	2.93	
138	FECAL (LIKE MANURE)	0.81	0.36	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	10.57	6.42	*
141	DRY, POWDERY	9.76	6.42	*
142	CHALKY	0.81	0.63	
143	LIGHT	23.58	16.38	****
144	HEAVY	17.89	12.99	***
145	COOL, COOLING	10.57	7.87	*
146	WARM	13.01	9.20	

TABLE 82—Hydroxy Citronellal

OCTANAL, 7-HYDROXY-3,7-DIMETHYL-
LAEVO-HYDROXY CITRONELLAL
LAURINE

CHEM. ABSTR. REG. NO. 107-75-5
C10 H20 O2
MOL. WT. 172.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 129
PERCENT WHO DETECTED ODOR..... 93

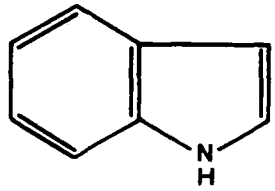
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	14.73	9.07	**
2	LEMON	9.30	6.24	*
3	GRAPEFRUIT	2.33	1.47	
4	ORANGE	6.20	3.92	
5	FRUITY, OTHER THAN CITRUS	11.63	7.23	*
6	PINEAPPLE	0.78	0.35	
7	GRAPE JUICE	0.78	0.35	
8	STRAWBERRY	0.78	0.35	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.78	0.49	
11	CANTALOUPE, HONEY DEW MELON	3.88	2.33	
12	PEACH (FRUIT)	0.78	0.49	
13	BANANA	0.78	0.35	
14	FLORAL	30.23	20.08	*****
15	ROSE	13.18	8.58	**
16	VIOLETS	6.98	3.75	
17	LAVENDER	7.75	4.25	*
18	COLOGNE	11.63	7.35	*
19	MUSK	3.88	1.90	
20	PERFUMERY	33.33	23.18	*****
21	FRAGRANT	54.26	36.80	*********
22	AROMATIC	26.36	17.39	****
23	HONEY	2.33	1.34	
24	CHERRY (BERRY)	2.33	1.47	
25	ALMOND	3.10	1.70	
26	NAIL POLISH REMOVER	2.33	1.59	
27	NUTTY (WALNUT ETC)	1.55	1.20	
28	SPICY	6.20	3.25	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.55	0.69	
32	TEA LEAVES	2.33	1.20	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.33	1.20	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.65	2.82	
39	WOODY, RESINOUS	20.16	13.58	***
40	CEDARWOOD	5.43	3.18	
41	MOTHBALLS	1.55	0.98	
42	MINTY, PEPPERMINT	3.88	2.45	
43	CAMPHOR	6.98	4.53	*
44	EUCALIPTUS	1.55	0.69	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.78	0.35	
47	SWEET	45.74	30.59	*******
48	MAPLE SYRUP	1.55	0.98	
49	CARAMEL	0.00	0.00	
50	MALTY	0.78	0.35	
51	RAISINS	0.78	0.49	
52	MOLASSES	0.78	0.35	
53	COCONUT	0.78	0.69	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.88	2.05	
56	ETHERISH, ANAESTHETIC	6.20	3.40	
57	CLEANING FLUID	1.55	0.98	
58	GASOLINE, SOLVENT	0.78	0.49	
59	TURPENTINE (PINE OIL)	3.88	2.45	
60	GERANIUM LEAVES	1.55	1.10	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	4.65	2.82	
64	CRUSHED GRASS	3.10	1.55	
65	HERBAL, GREEN, CUT GRASS	17.05	10.66	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.78	0.60	
68	GRAINY (AS GRAIN)	2.33	1.20	
69	YEASTY	2.33	1.20	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	11.63	8.06	**
75	LEATHER	2.33	1.34	
76	CARDBOARD	3.10	2.08	
77	ROPE	0.00	0.00	
78	WET PAPER	1.55	0.69	
79	WET WOOL, WET DOG	0.78	0.35	
80	DIRTY LINEN	0.78	0.35	
81	STALE	1.55	0.85	
82	MUSTY, EARTHY, MOLDY	5.43	3.43	
83	RAW POTATO	1.55	0.69	
84	MOUSE	0.00	0.00	
85	MUSHROOM	1.55	0.69	
86	PEANUT BUTTER	0.78	0.35	
87	BEANY	0.78	0.49	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.98	3.89	
90	CORK	3.88	2.19	
91	BURNT, SMOKY	3.10	2.50	
92	FRESH TOBACCO SMOKE	0.78	0.35	
93	INCENSE	6.98	4.65	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.78	0.78	
96	BURNT PAPER	0.78	0.49	
97	BURNT MILK	0.78	0.35	
98	BURNT RUBBER	0.78	0.35	
99	TAR	1.55	0.85	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	3.10	1.70	
102	MEDICINAL	7.75	4.39	*
103	CHEMICAL	7.75	4.78	*
104	BITTER	2.33	1.34	
105	SHARP, PUNGENT, ACID	6.20	3.80	
106	SOUR, VINEGAR	5.43	2.90	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.55	0.69	
109	URINE	0.78	0.35	
110	CAT URINE	0.00	0.00	
111	FISHY	0.78	0.35	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.78	0.35	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.78	0.49	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	10.08	5.73	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	3.10	2.08	
121	VARNISH	3.88	1.73	
122	POPCORN	1.55	0.85	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.78	0.49	
127	RANCID	5.43	2.75	
128	SWEATY	3.10	2.19	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.78	0.35	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.78	0.35	
134	BLOOD, RAW MEAT	0.78	0.35	
135	ANIMAL	0.78	0.35	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	2.33	1.99	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.10	1.96	
141	DRY, POWDERY	10.85	6.22	*
142	CHALKY	0.00	0.00	
143	LIGHT	33.33	24.48	******
144	HEAVY	8.53	6.30	*
145	COOL, COOLING	14.73	9.68	**
146	WARM	10.08	6.49	*

TABLE 83—Indole

CHEM. ABSTR. REG. NO. 120-72-9
C8 H7 N1
MOL. WT. 117.1



CONCENTRATION, G/LITER.....	10
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

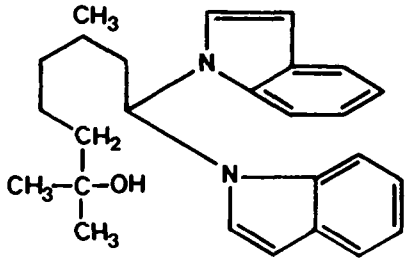
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.72	0.72	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.72	0.56	
4	ORANGE	0.72	0.64	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.72	0.46	
10	PEAR	0.72	0.46	
11	CANTALOUPE, HONEY DEW MELON	1.44	1.29	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	0.00	0.00	
14	FLORAL	8.63	6.21	*
15	ROSE	2.88	2.13	
16	VIOLETS	1.44	1.11	
17	LAVENDER	3.60	2.28	
18	COLOGNE	0.72	0.32	
19	MUSK	8.63	5.11	*
20	PERFUMERY	7.19	5.19	*
21	FRAGRANT	12.23	8.60	**
22	AROMATIC	21.58	15.46	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	1.44	1.02	
25	ALMOND	2.88	1.44	
26	NAIL POLISH REMOVER	0.72	0.32	
27	NUTTY (WALNUT ETC)	0.72	0.46	
28	SPICY	3.60	2.16	
29	CLOVE	1.44	0.64	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.72	0.32	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	1.44	0.64	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.46	
37	CARAWAY	0.72	0.56	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	20.86	12.97	***
40	CEDARWOOD	10.79	7.16	*
41	MOTHBALLS	31.65	25.88	******
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	14.39	10.86	**
44	EUCALIPTUS	2.88	1.70	
45	CHOCOLATE	0.72	0.32	
46	VANILLA	0.00	0.00	
47	SWEET	13.67	8.18	**
48	MAPLE SYRUP	0.72	0.72	
49	CARAMEL	0.00	0.00	
50	MALTY	2.16	1.25	
51	RAISINS	1.44	0.91	
52	MOLASSES	0.72	0.32	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.88	1.58	
56	ETHERISH, ANAESTHETIC	12.23	7.50	*
57	CLEANING FLUID	7.91	4.53	*
58	GASOLINE, SOLVENT	9.35	6.66	*
59	TURPENTINE (PINE OIL)	6.47	3.74	
60	GERANIUM LEAVES	1.44	1.02	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.88	1.29	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	5.04	3.30	
66	RAW CUCUMBER	0.72	0.32	
67	HAY	0.72	0.32	
68	GRAINY (AS GRAIN)	1.44	0.79	
69	YEASTY	2.16	1.11	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.88	1.70	
73	BEERY	2.16	1.25	
74	SOAPY	2.16	1.11	
75	LEATHER	7.19	4.66	*
76	CARDBOARD	2.16	0.97	
77	ROPE	2.16	1.11	
78	WET PAPER	0.72	0.32	
79	WET WOOL, WET DOG	7.19	4.43	*
80	DIRTY LINEN	7.91	4.27	*
81	STALE	8.63	5.90	*
82	MUSTY, EARTHY, MOLDY	25.18	17.13	****
83	RAW POTATO	0.72	0.32	
84	MOUSE	7.19	5.19	*
85	MUSHROOM	0.72	0.32	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.60	1.90	
90	CORK	1.44	0.64	
91	BURNT, SMOKY	16.55	10.91	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.04	3.07	
94	COFFEE	0.72	0.46	
95	STALE TOBACCO SMOKE	5.76	3.75	
96	BURNT PAPER	5.04	3.19	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	4.32	2.61	
99	TAR	16.55	12.54	***
100	CREOSOTE	16.55	11.13	**
101	DISINFECTANT, CARBOLIC	15.83	10.12	**
102	MEDICINAL	6.47	4.32	*
103	CHEMICAL	23.74	15.90	***
104	BITTER	6.47	3.86	
105	SHARP, PUNGENT, ACID	20.14	13.83	***
106	SOUR, VINEGAR	7.91	5.01	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	7.91	5.23	*
109	URINE	5.04	3.51	
110	CAT URINE	5.04	3.40	
111	FISHY	3.60	2.28	
112	KIPPERY (SMOKED FISH)	0.72	0.32	
113	SEMINAL, SPERM-LIKE	2.16	1.47	
114	NEW RUBBER	4.32	2.73	
115	SOOTY	5.76	3.86	
116	BURNT CANDLE	2.88	1.93	
117	KEROSENE	2.88	1.70	
118	OILY, FATTY	10.07	6.26	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	7.19	3.94	
121	VARNISH	6.47	3.98	
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.88	1.93	
125	SOUPY	0.72	0.46	
126	COOKED VEGETABLES	0.72	0.46	
127	RANCID	11.51	8.04	**
128	SWEATY	24.46	17.09	****
129	CHEESY	0.72	0.56	
130	HOUSEHOLD GAS	5.76	3.40	
131	SULFIDIC	5.04	3.71	
132	GARLIC, ONION	2.88	1.93	
133	METALLIC	4.32	2.73	
134	BLOOD, RAW MEAT	2.88	2.23	
135	ANIMAL	14.39	9.76	**
136	SEWER	4.32	3.52	
137	PUTRID, FOUL, DECAYED	20.14	14.45	***
138	FECAL (LIKE MANURE)	17.27	12.90	***
139	CADAVEROUS (DEAD ANIMAL)	10.07	6.70	*
140	SICKENING	33.09	24.49	******
141	DRY, POWDERY	6.47	3.98	
142	CHALKY	0.00	0.00	
143	LIGHT	10.07	5.52	*
144	HEAVY	28.78	21.92	*****
145	COOL, COOLING	3.60	2.39	
146	WARM	14.39	10.17	**

TABLE 84—Indolene

2-OCTANOL, 8,8′-BIS(1H)-INDOL-1-YL)-2,6-DIMETHYL
1H-INDOL-1-HEPTANOL, N-1H-INDOL-1-YL-ALOHA, ALPHA, EPSILON-TRIMETHYL

CHEM ABSTR. REG. NO. 67801-36-9
C26 H32 N2 O1
MOL. WT. 388.3



CONCENTRATION, ML/LITER.....	5
NUMBER OF EVALUATORS.....	125
NUMBER WHO DETECTED ODOR.....	115
PERCENT WHO DETECTED ODOR.....	92

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.87	0.39	
5	FRUITY, OTHER THAN CITRUS	6.09	3.25	
6	PINEAPPLE	0.87	0.39	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.87	0.67	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.87	0.39	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	20.87	15.36	***
15	ROSE	6.96	4.92	*
16	VIOLETS	4.35	2.61	
17	LAVENDER	3.48	2.33	
18	COLOGNE	7.83	5.35	*
19	MUSK	6.96	5.04	*
20	PERFUMERY	14.78	10.14	**
21	FRAGRANT	32.17	22.44	*****
22	AROMATIC	16.52	10.99	**
23	HONEY	2.61	2.02	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	8.70	4.43	*
26	NAIL POLISH REMOVER	0.87	0.39	
27	NUTTY (WALNUT ETC)	2.61	1.51	
28	SPICY	4.35	2.46	
29	CLOVE	1.74	0.95	
30	CINNAMON	0.87	0.55	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.87	0.39	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.61	1.51	
39	WOODY, RESINOUS	19.13	12.10	***
40	CEDARWOOD	6.09	3.56	
41	MOTHBALLS	8.70	6.39	*
42	MINTY, PEPPERMINT	1.74	1.10	
43	CAMPHOR	4.35	2.46	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.87	0.55	
46	VANILLA	3.48	2.33	
47	SWEET	26.09	18.32	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	3.48	1.91	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.87	0.39	
56	ETHERISH, ANAESTHETIC	6.09	3.41	
57	CLEANING FLUID	3.48	1.74	
58	GASOLINE, SOLVENT	4.35	3.37	
59	TURPENTINE (PINE OIL)	5.22	3.43	
60	GERANIUM LEAVES	0.87	0.39	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.87	0.67	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.87	0.39	
65	HERBAL, GREEN, CUT GRASS	13.91	9.20	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.61	1.51	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	3.48	2.80	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.61	1.65	
73	BEERY	0.00	0.00	
74	SOAPY	5.22	3.16	
75	LEATHER	5.22	2.86	
76	CARDBOARD	1.74	1.10	
77	ROPE	0.87	0.39	
78	WET PAPER	1.74	0.95	
79	WET WOOL, WET DOG	0.87	0.67	
80	DIRTY LINEN	1.74	0.95	
81	STALE	2.61	1.35	
82	MUSTY, EARTHY, MOLDY	12.17	7.97	*
83	RAW POTATO	0.87	0.39	
84	MOUSE	2.61	2.02	
85	MUSHROOM	1.74	1.46	
86	PEANUT BUTTER	0.87	0.67	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.09	3.56	
90	CORK	2.61	1.51	
91	BURNT, SMOKY	6.09	4.12	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	3.48	2.20	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.87	0.55	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.87	0.55	
99	TAR	4.35	2.88	
100	CREOSOTE	3.48	1.91	
101	DISINFECTANT, CARBOLIC	9.57	6.82	*
102	MEDICINAL	7.83	4.52	*
103	CHEMICAL	13.04	9.53	**
104	BITTER	0.87	0.67	
105	SHARP, PUNGENT, ACID	0.87	0.39	
106	SOUR, VINEGAR	3.48	2.06	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	1.74	0.95	
110	CAT URINE	1.74	1.10	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.87	0.39	
114	NEW RUBBER	2.61	1.51	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.87	0.39	
117	KEROSENE	1.74	0.78	
118	OILY, FATTY	8.70	5.22	*
119	BUTTERY, FRESH BUTTER	0.87	0.39	
120	PAINT	6.09	3.71	
121	VARNISH	7.83	4.21	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.48	2.46	
128	SWEATY	6.09	3.85	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	4.35	2.46	
131	SULFIDIC	2.61	1.65	
132	GARLIC, ONION	0.87	0.39	
133	METALLIC	3.48	2.46	
134	BLOOD, RAW MEAT	0.87	0.67	
135	ANIMAL	1.74	1.46	
136	SEWER	1.74	1.10	
137	PUTRID, FOUL, DECAYED	3.48	2.91	
138	FECAL (LIKE MANURE)	4.35	3.48	
139	CADAVEROUS (DEAD ANIMAL)	3.48	2.69	
140	SICKENING	11.30	7.55	*
141	DRY, POWDERY	8.70	5.07	*
142	CHALKY	0.00	0.00	
143	LIGHT	28.70	20.35	*****
144	HEAVY	13.91	9.96	**
145	COOL, COOLING	8.70	5.77	*
146	WARM	11.30	7.15	

TABLE 85—Iodoform

TRIIODO METHANE

CHEM. ABSTR. REG. NO. 75-47-8
Cl Hl I3
MOL. WT. 393.7

CONCENTRATION, G/LITER..... 5
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 99



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

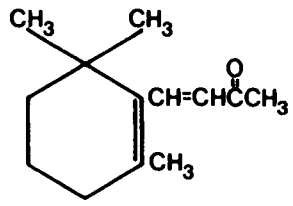
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.57	1.11	
2	LEMON	1.57	0.86	
3	GRAPEFRUIT	0.79	0.35	
4	ORANGE	1.57	0.70	
5	FRUITY, OTHER THAN CITRUS	11.81	7.83	*
6	PINEAPPLE	2.36	1.22	
7	GRAPE JUICE	0.79	0.35	
8	STRAWBERRY	0.79	0.35	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	3.94	2.23	
15	ROSE	3.15	1.86	
16	VIOLETS	0.00	0.00	
17	LAVENDER	2.36	1.22	
18	COLOGNE	0.79	0.35	
19	MUSK	4.72	2.28	
20	PERFUMERY	3.94	2.49	
21	FRAGRANT	22.05	14.19	***
22	AROMATIC	18.11	12.97	***
23	HONEY	0.79	0.35	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.36	1.22	
26	NAIL POLISH REMOVER	3.15	1.86	
27	NUTTY (WALNUT ETC)	2.36	1.06	
28	SPICY	3.15	1.41	
29	CLOVE	1.57	0.70	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.57	1.11	
33	SEASONING (FOR MEAT)	1.57	1.11	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.57	0.70	
39	WOODY, RESINOUS	18.90	11.83	**
40	CEDARWOOD	3.94	2.08	
41	MOTHBALLS	7.09	4.48	*
42	MINTY, PEPPERMINT	4.72	3.11	
43	CAMPHOR	7.09	4.23	*
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.57	0.86	
47	SWEET	18.11	11.07	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.57	0.86	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	9.45	5.32	*
56	ETHERISH, ANAESTHETIC	21.26	15.63	***
57	CLEANING FLUID	17.32	12.14	***
58	GASOLINE, SOLVENT	11.02	6.97	*
59	TURPENTINE (PINE OIL)	4.72	2.99	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.79	0.61	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.72	2.73	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.79	0.50	
68	GRAINY (AS GRAIN)	0.79	0.35	
69	YEASTY	2.36	1.73	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	3.15	1.73	
75	LEATHER	7.09	6.25	*
76	CARDBOARD	1.57	1.22	
77	ROPE	2.36	1.61	
78	WET PAPER	3.94	2.36	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	1.57	0.70	
81	STALE	2.36	1.61	
82	MUSTY, EARTHY, MOLDY	9.45	5.72	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.79	0.35	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.94	2.08	
90	CORK	3.15	1.86	
91	BURNT, SMOKY	3.94	2.61	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.79	0.35	
96	BURNT PAPER	3.15	1.86	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.79	0.35	
99	TAR	5.51	3.23	
100	CREOSOTE	4.72	2.59	
101	DISINFECTANT, CARBOLIC	18.11	12.64	***
102	MEDICINAL	21.26	15.95	***
103	CHEMICAL	31.50	22.82	*****
104	BITTER	1.57	0.86	
105	SHARP, PUNGENT, ACID	16.54	10.70	**
106	SOUR, VINEGAR	6.30	3.45	
107	SAUERKRAUT	0.79	0.35	
108	AMMONIA	3.15	2.34	
109	URINE	0.79	0.50	
110	CAT URINE	0.79	0.35	
111	FISHY	1.57	0.70	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.79	0.35	
114	NEW RUBBER	1.57	1.00	
115	SOOTY	1.57	1.32	
116	BURNT CANDLE	0.79	0.35	
117	KEROSENE	1.57	1.00	
118	OILY, FATTY	7.09	4.23	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	9.45	5.72	*
121	VARNISH	4.72	2.73	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.79	0.35	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.79	0.35	
127	RANCID	0.79	0.61	
128	SWEATY	11.02	6.72	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.57	1.00	
131	SULFIDIC	3.15	2.44	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	6.30	3.73	
134	BLOOD, RAW MEAT	1.57	1.00	
135	ANIMAL	0.79	0.35	
136	SEWER	0.79	0.50	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	11.81	7.95	*
141	DRY, POWDERY	9.45	6.45	*
142	CHALKY	0.00	0.00	
143	LIGHT	22.05	15.25	***
144	HEAVY	7.09	5.59	*
145	COOL, COOLING	11.02	7.34	*
146	WARM	11.02	8.23	

TABLE 86—Ionone: beta-Ionone (Lower Concentration)

3-BUTEN-2-ONE, 4-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL), E

CHEM. ABSTR. REG. NO. 14901-07-6
C13 H20 O1
MOL. WT. 192.2



CONCENTRATION, ML/LITER.....	5
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	128
PERCENT WHO DETECTED ODOR.....	91

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

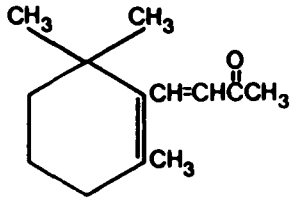
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	7.81	5.18	*
2	LEMON	3.13	2.10	
3	GRAPEFRUIT	0.78	0.35	
4	ORANGE	7.03	4.45	*
5	FRUITY, OTHER THAN CITRUS	32.03	23.57	*****
6	PINEAPPLE	3.91	1.91	
7	GRAPE JUICE	3.91	2.07	
8	STRAWBERRY	10.94	7.62	*
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.91	2.21	
11	CANTALOUPE, HONEY DEW MELON	3.13	1.85	
12	PEACH (FRUIT)	6.25	4.07	*
13	BANANA	1.56	1.21	
14	FLORAL	45.31	35.30	********
15	ROSE	23.44	17.22	****
16	VIOLETS	14.06	9.61	**
17	LAVENDER	10.16	6.30	*
18	COLOGNE	19.53	13.30	***
19	MUSK	4.69	2.71	
20	PERFUMERY	53.91	41.04	**********
21	FRAGRANT	70.31	53.86	**********
22	AROMATIC	39.84	29.31	*******
23	HONEY	5.47	3.46	
24	CHERRY (BERRY)	19.53	13.98	***
25	ALMOND	2.34	1.35	
26	NAIL POLISH REMOVER	0.78	0.35	
27	NUTTY (WALNUT ETC)	1.56	0.70	
28	SPICY	4.69	2.10	
29	CLOVE	1.56	0.70	
30	CINNAMON	0.78	0.35	
31	LAUREL LEAVES	0.78	0.49	
32	TEA LEAVES	3.13	1.40	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.78	0.35	
35	GREEN PEPPER	0.78	0.35	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.34	1.35	
39	WOODY, RESINOUS	11.72	7.29	*
40	CEDARWOOD	6.25	4.07	*
41	MOTHBALLS	0.78	0.61	
42	MINTY, PEPPERMINT	7.03	4.45	*
43	CAMPHOR	3.91	1.75	
44	EUCALIPTUS	3.13	1.85	
45	CHOCOLATE	0.78	0.35	
46	VANILLA	0.00	0.00	
47	SWEET	55.47	41.00	**********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.78	0.49	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.78	0.49	
55	ALCOHOLIC	2.34	1.35	
56	ETHERISH, ANAESTHETIC	5.47	2.92	
57	CLEANING FLUID	1.56	0.70	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	3.91	2.21	
60	GERANIUM LEAVES	7.03	4.80	*
61	CELERY	0.78	0.35	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.78	0.35	
64	CRUSHED GRASS	0.78	0.35	
65	HERBAL, GREEN, CUT GRASS	12.50	8.03	**
66	RAW CUCUMBER	0.78	0.35	
67	HAY	2.34	1.05	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.78	0.61	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	3.13	2.21	
75	LEATHER	0.00	0.00	
76	CARDBOARD	3.91	2.59	
77	ROPE	0.00	0.00	
78	WET PAPER	0.78	0.78	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.78	0.35	
81	STALE	1.56	0.99	
82	MUSTY, EARTHY, MOLDY	3.91	2.47	
83	RAW POTATO	0.78	0.35	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.91	2.82	
90	CORK	0.78	0.49	
91	BURNT, SMOKY	0.78	0.49	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	7.81	5.41	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.78	0.35	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.78	0.35	
101	DISINFECTANT, CARBOLIC	0.78	0.49	
102	MEDICINAL	0.78	0.35	
103	CHEMICAL	2.34	1.21	
104	BITTER	1.56	0.99	
105	SHARP, PUNGENT, ACID	4.69	3.20	
106	SOUR, VINEGAR	5.47	3.70	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.56	0.70	
109	URINE	0.78	0.49	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.78	0.35	
118	OILY, FATTY	3.13	1.85	
119	BUTTERY, FRESH BUTTER	0.78	0.78	
120	PAINT	1.56	0.99	
121	VARNISH	1.56	0.70	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.56	0.99	
128	SWEATY	4.69	2.84	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.78	0.35	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.56	1.10	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	2.34	2.01	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.91	2.71	
141	DRY, POWDERY	7.03	4.57	*
142	CHALKY	0.78	0.49	
143	LIGHT	40.63	27.71	******
144	HEAVY	7.81	5.95	*
145	COOL, COOLING	13.28	8.40	**
146	WARM	10.16	6.78	*

TABLE 87—Ionone: beta-Ionone (Higher Concentration)

3-BUTEN-2-ONE, 4-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL), E

CHEM. ABSTR. REG. NO. 14901-07-6
C13 H20 O1
MOL. WT. 192.2



CONCENTRATION, ML/LITER..... 50
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 134
PERCENT WHO DETECTED ODOR..... 96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

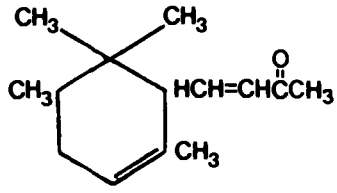
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.99	1.77	
2	LEMON	1.49	0.82	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.75	0.58	
5	FRUITY, OTHER THAN CITRUS	10.45	7.17	*
6	PINEAPPLE	0.75	0.33	
7	GRAPE JUICE	1.49	0.67	
8	STRAWBERRY	5.22	3.06	
9	APPLE (FRUIT)	0.75	0.75	
10	PEAR	0.75	0.33	
11	CANTALOUPE, HONEY DEW MELON	0.75	0.33	
12	PEACH (FRUIT)	2.24	1.29	
13	BANANA	0.00	0.00	
14	FLORAL	29.10	20.53	*****
15	ROSE	11.94	8.65	**
16	VIOLETS	6.72	4.70	*
17	LAVENDER	8.96	5.42	*
18	COLOGNE	8.96	6.01	*
19	MUSK	4.48	2.59	
20	PERFUMERY	35.82	26.67	******
21	FRAGRANT	54.48	38.78	*********
22	AROMATIC	29.10	19.99	****
23	HONEY	1.49	0.67	
24	CHERRY (BERRY)	6.72	4.00	*
25	ALMOND	2.24	1.00	
26	NAIL POLISH REMOVER	0.75	0.33	
27	NUTTY (WALNUT ETC)	2.24	1.16	
28	SPICY	14.18	9.08	**
29	CLOVE	0.75	0.33	
30	CINNAMON	2.24	1.16	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.75	0.67	
33	SEASONING (FOR MEAT)	2.99	2.31	
34	BLACK PEPPER	1.49	0.67	
35	GREEN PEPPER	0.75	0.33	
36	DILL	0.75	0.58	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	5.22	3.53	
39	WOODY, RESINOUS	34.33	24.06	******
40	CEDARWOOD	22.39	16.35	****
41	MOTHBALLS	4.48	2.59	
42	MINTY, PEPPERMINT	2.99	1.49	
43	CAMPHOR	5.22	3.06	
44	EUCALIPTUS	3.73	2.11	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.75	0.33	
47	SWEET	40.30	28.18	*******
48	MAPLE SYRUP	0.75	0.47	
49	CARAMEL	0.00	0.00	
50	MALTY	0.75	0.47	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.73	1.97	
56	ETHERISH, ANAESTHETIC	4.48	2.71	
57	CLEANING FLUID	2.99	1.77	
58	GASOLINE, SOLVENT	2.99	1.63	
59	TURPENTINE (PINE OIL)	9.70	6.59	*
60	GERANIUM LEAVES	1.49	0.94	
61	CELERY	5.22	4.33	*
62	FRESH GREEN VEGETABLES	2.24	2.08	

63	CRUSHED WEEDS	0.75	0.47	
64	CRUSHED GRASS	0.75	0.33	
65	HERBAL, GREEN, CUT GRASS	12.69	8.48	**
66	RAW CUCUMBER	0.75	0.33	
67	HAY	2.24	1.53	
68	GRAINY (AS GRAIN)	0.75	0.75	
69	YEASTY	2.24	1.16	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.75	0.47	
74	SOAPY	7.46	5.28	*
75	LEATHER	0.75	0.33	
76	CARDBOARD	2.99	1.63	
77	ROPE	0.75	0.33	
78	WET PAPER	0.75	0.67	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.75	0.33	
81	STALE	2.24	1.29	
82	MUSTY, EARTHY, MOLDY	7.46	3.95	
83	RAW POTATO	0.75	0.33	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.72	3.75	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	4.48	2.83	
92	FRESH TOBACCO SMOKE	0.75	0.47	
93	INCENSE	9.70	6.14	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.24	1.29	
96	BURNT PAPER	0.75	0.47	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.75	0.33	
100	CREOSOTE	1.49	1.25	
101	DISINFECTANT, CARBOLIC	4.48	2.95	
102	MEDICINAL	5.22	3.42	
103	CHEMICAL	8.21	5.42	*
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	6.72	3.88	
106	SOUR, VINEGAR	1.49	0.94	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.49	0.82	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	1.49	0.67	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	4.48	2.16	
119	BUTTERY, FRESH BUTTER	1.49	1.06	
120	PAINT	2.99	1.89	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.75	0.33	
124	MEATY (COOKED, GOOD)	2.24	1.42	
125	SOUPY	0.75	0.75	
126	COOKED VEGETABLES	1.49	1.49	
127	RANCID	0.75	0.33	
128	SWEATY	2.24	1.29	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.75	0.33	
133	METALLIC	1.49	0.67	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.49	1.16	
138	FECAL (LIKE MANURE)	0.75	0.33	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.24	1.53	
141	DRY, POWDERY	12.69	8.70	**
142	CHALKY	2.99	1.89	
143	LIGHT	35.82	24.58	******
144	HEAVY	10.45	6.95	*
145	COOL, COOLING	12.69	8.26	**
146	WARM	14.18	9.08	**

TABLE 88—Irone: alpha-Irone

3-BUTEN-2-ONE, 4-(2,5,6,6-TETRAMETHYL-2-CYCLOHEXEN-1-YL), E

CHEM. ABSTR. REG. NO. 79-69-6
C14 H22 O1
MOL. WT. 206.2



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	139
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

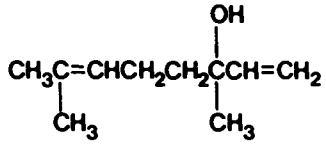
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.88	1.29	
2	LEMON	1.44	0.64	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.44	0.79	
5	FRUITY, OTHER THAN CITRUS	21.58	15.56	***
6	PINEAPPLE	1.44	0.64	
7	GRAPE JUICE	1.44	0.79	
8	STRAWBERRY	7.91	5.75	*
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.72	0.46	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.32	
12	PEACH (FRUIT)	2.16	1.11	
13	BANANA	0.00	0.00	
14	FLORAL	38.13	29.35	*******
15	ROSE	21.58	15.46	***
16	VIOLETS	10.79	8.54	**
17	LAVENDER	10.07	6.59	*
18	COLOGNE	15.83	10.78	**
19	MUSK	4.32	2.49	
20	PERFUMERY	49.64	38.64	*********
21	FRAGRANT	64.03	50.15	**********
22	AROMATIC	34.53	26.93	******
23	HONEY	2.88	1.82	
24	CHERRY (BERRY)	9.35	7.06	*
25	ALMOND	5.04	3.19	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	2.88	1.70	
28	SPICY	10.07	5.25	*
29	CLOVE	2.88	1.70	
30	CINNAMON	1.44	0.64	
31	LAUREL LEAVES	0.72	0.46	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	0.72	0.32	
34	BLACK PEPPER	0.72	0.32	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	1.44	1.02	
38	OAK WOOD, COGNAC	4.32	2.61	
39	WOODY, RESINOUS	29.50	22.75	*****
40	CEDARWOOD	35.97	31.11	*******
41	MOTHBALLS	6.47	4.32	*
42	MINTY, PEPPERMINT	3.60	2.28	
43	CAMPHOR	7.19	4.66	*
44	EUCALIPTUS	2.88	1.44	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.16	1.47	
47	SWEET	46.76	34.70	********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.72	0.32	
50	MALTY	0.72	0.46	
51	RAISINS	0.72	0.32	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.44	0.79	
55	ALCOHOLIC	1.44	0.64	
56	ETHERISH, ANAESTHETIC	3.60	2.16	
57	CLEANING FLUID	2.16	1.37	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	6.47	4.10	*
60	GERANIUM LEAVES	2.88	1.58	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.72	0.46	
65	HERBAL, GREEN, CUT GRASS	13.67	8.18	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.16	1.11	
68	GRAINY (AS GRAIN)	2.16	0.97	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	6.47	4.10	*
75	LEATHER	2.16	1.25	
76	CARDBOARD	1.44	0.79	
77	ROPE	0.72	0.56	
78	WET PAPER	0.72	0.46	
79	WET WOOL, WET DOG	0.72	0.32	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	5.76	3.75	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.19	5.29	*
90	CORK	3.60	2.39	
91	BURNT, SMOKY	2.16	1.25	
92	FRESH TOBACCO SMOKE	1.44	0.79	
93	INCENSE	10.79	6.59	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.44	1.02	
96	BURNT PAPER	0.72	0.32	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.16	1.37	
102	MEDICINAL	4.32	2.61	
103	CHEMICAL	2.88	2.13	
104	BITTER	0.72	0.32	
105	SHARP, PUNGENT, ACID	1.44	0.91	
106	SOUR, VINEGAR	0.00	0.00	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.72	0.46	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.72	0.46	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.32	
115	SOOTY	0.72	0.46	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	2.16	1.11	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.16	1.67	
121	VARNISH	2.88	2.03	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.72	0.32	
128	SWEATY	1.44	0.79	
129	CHEESY	1.44	1.02	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.44	0.64	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.72	0.56	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.16	1.11	
141	DRY, POWDERY	7.91	5.65	*
142	CHALKY	1.44	0.79	
143	LIGHT	38.13	27.71	******
144	HEAVY	9.35	6.66	*
145	COOL, COOLING	17.27	12.11	***
146	WARM	12.95	9.36	**

TABLE 89—Linalool

1,6-OCTADIEN-3-OL, 3,7-DIMETHYL (-)
1,6-OCTADIEN-3-OL, 3,7-DIMETHYL, (R)
LINALOOL (-)
LINALOOL,L

CHEM. ABSTR. REG. NO. 126-91-0
C10 H18 O1
MOL. WT. 154.1



CONCENTRATION, ML/LITER..... 50
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 148
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

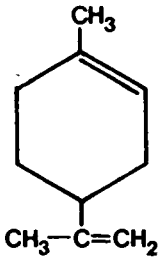
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	29.60	20.93	*****
2	LEMON	38.93	26.93	******
3	GRAPEFRUIT	5.33	2.53	
4	ORANGE	10.00	5.33	*
5	FRUITY, OTHER THAN CITRUS	9.47	5.47	*
6	PINEAPPLE	7.47	3.67	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.33	0.80	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	4.13	2.27	
11	CANTALOUPE, HONEY DEW MELON	2.67	1.93	
12	PEACH (FRUIT)	2.67	1.27	
13	BANANA	0.00	0.00	
14	FLORAL	37.00	25.87	******
15	ROSE	12.80	7.27	*
16	VIOLETS	8.07	4.40	*
17	LAVENDER	12.07	7.60	*
18	COLOGNE	20.00	12.40	***
19	MUSK	6.00	3.47	
20	PERFUMERY	38.20	26.73	******
21	FRAGRANT	61.13	43.60	**********
22	AROMATIC	43.60	30.33	*******
23	HONEY	2.00	0.93	
24	CHERRY (BERRY)	3.33	1.60	
25	ALMOND	3.33	1.80	
26	NAIL POLISH REMOVER	0.67	0.27	
27	NUTTY (WALNUT ETC)	0.67	0.40	
28	SPICY	13.53	8.13	**
29	CLOVE	2.00	1.07	
30	CINNAMON	1.33	0.93	
31	LAUREL LEAVES	2.00	1.13	
32	TEA LEAVES	2.00	1.13	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.67	1.20	
37	CARAWAY	0.67	0.27	
38	OAK WOOD, COGNAC	5.33	2.80	
39	WOODY, RESINOUS	12.73	7.33	*
40	CEDARWOOD	3.33	2.07	
41	MOTHBALLS	1.33	0.87	
42	MINTY, PEPPERMINT	5.33	3.07	
43	CAMPHOR	8.00	4.73	*
44	EUCALIPTUS	6.07	3.67	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.33	0.67	
47	SWEET	38.33	25.93	******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.00	1.20	
54	ANISE (LICORICE)	1.33	0.80	
55	ALCOHOLIC	10.07	5.47	*
56	ETHERISH, ANAESTHETIC	9.40	5.20	*
57	CLEANING FLUID	4.67	3.07	
58	GASOLINE, SOLVENT	2.00	1.07	
59	TURPENTINE (PINE OIL)	8.07	4.73	*
60	GERANIUM LEAVES	4.07	2.13	
61	CELERY	0.67	0.27	
62	FRESH GREEN VEGETABLES	0.67	0.47	

63	CRUSHED WEEDS	2.67	1.53	
64	CRUSHED GRASS	4.00	1.87	
65	HERBAL, GREEN, CUT GRASS	22.73	15.33	***
66	RAW CUCUMBER	1.33	0.67	
67	HAY	2.00	1.07	
68	GRAINY (AS GRAIN)	1.33	0.67	
69	YEASTY	1.33	0.87	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.67	0.27	
74	SOAPY	13.47	7.80	*
75	LEATHER	1.33	0.80	
76	CARDBOARD	1.33	0.67	
77	ROPE	0.00	0.00	
78	WET PAPER	0.67	0.40	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.33	0.67	
82	MUSTY, EARTHY, MOLDY	6.67	3.40	
83	RAW POTATO	0.67	0.40	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.33	2.80	
90	CORK	1.33	0.67	
91	BURNT, SMOKY	5.40	3.27	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	6.00	3.87	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.67	0.47	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	2.67	1.40	
101	DISINFECTANT, CARBOLIC	8.07	4.60	*
102	MEDICINAL	12.07	7.27	*
103	CHEMICAL	12.67	7.87	*
104	BITTER	0.67	0.40	
105	SHARP, PUNGENT, ACID	8.07	4.47	*
106	SOUR, VINEGAR	6.67	2.87	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.33	3.13	
109	URINE	0.67	0.40	
110	CAT URINE	0.00	0.00	
111	FISHY	0.67	0.27	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.33	0.80	
115	SOOTY	0.67	0.40	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.00	1.07	
118	OILY, FATTY	6.67	3.13	
119	BUTTERY, FRESH BUTTER	1.33	0.73	
120	PAINT	5.33	3.60	
121	VARNISH	4.67	2.67	
122	POPCORN	0.67	0.27	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.67	0.47	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.67	0.27	
128	SWEATY	2.00	0.80	
129	CHEESY	0.67	0.27	
130	HOUSEHOLD GAS	0.67	0.40	
131	SULFIDIC	1.33	0.53	
132	GARLIC, ONION	0.67	0.27	
133	METALLIC	1.33	0.67	
134	BLOOD, RAW MEAT	1.33	0.80	
135	ANIMAL	0.67	0.27	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.73	2.87	
141	DRY, POWDERY	2.67	1.60	
142	CHALKY	0.00	0.00	
143	LIGHT	47.47	33.27	********
144	HEAVY	7.53	4.53	*
145	COOL, COOLING	30.93	19.13	****
146	WARM	8.73	5.27	*

TABLE 90—Limonene: d-Limonene

CYCLOHEXENE, 1-METHYL-4-(1-METHYL ETHENYL)
P-MENTHA-1,8-DIENE
DIPENTENE
LIMONENE

CHEM. ABSTR. REG. NO. 138-86-3
C10 H16
MOL. WT. 136.1



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 135
PERCENT WHO DETECTED ODOR..... 96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

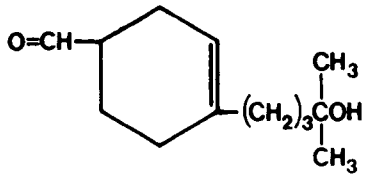
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	63.70	53.56	**********
2	LEMON	56.30	43.61	**********
3	GRAPEFRUIT	14.07	9.58	**
4	ORANGE	54.07	43.20	**********
5	FRUITY, OTHER THAN CITRUS	23.70	17.58	****
6	PINEAPPLE	8.89	4.73	*
7	GRAPE JUICE	3.70	2.46	
8	STRAWBERRY	4.44	2.43	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	5.19	3.04	
11	CANTALOUPE, HONEY DEW MELON	5.93	2.96	
12	PEACH (FRUIT)	5.93	3.75	
13	BANANA	0.74	0.47	
14	FLORAL	19.26	12.53	***
15	ROSE	4.44	2.57	
16	VIOLETS	3.70	2.10	
17	LAVENDER	2.96	1.75	
18	COLOGNE	4.44	3.04	
19	MUSK	0.74	0.33	
20	PERFUMERY	24.44	16.26	****
21	FRAGRANT	55.56	40.77	**********
22	AROMATIC	34.81	25.19	******
23	HONEY	2.96	1.75	
24	CHERRY (BERRY)	7.41	5.02	*
25	ALMOND	3.70	1.81	
26	NAIL POLISH REMOVER	0.74	0.33	
27	NUTTY (WALNUT ETC)	1.48	0.81	
28	SPICY	12.59	8.08	**
29	CLOVE	2.96	1.62	
30	CINNAMON	2.96	1.75	
31	LAUREL LEAVES	1.48	0.81	
32	TEA LEAVES	1.48	0.81	
33	SEASONING (FOR MEAT)	1.48	0.66	
34	BLACK PEPPER	2.22	1.81	
35	GREEN PEPPER	1.48	0.81	
36	DILL	1.48	1.05	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.74	0.33	
39	WOODY, RESINOUS	8.89	5.50	*
40	CEDARWOOD	1.48	1.15	
41	MOTHBALLS	0.74	0.33	
42	MINTY, PEPPERMINT	8.89	4.59	*
43	CAMPHOR	2.22	0.99	
44	EUCALIPTUS	4.44	2.81	
45	CHOCOLATE	1.48	0.66	
46	VANILLA	2.96	1.75	
47	SWEET	51.11	37.53	*********
48	MAPLE SYRUP	0.74	0.57	
49	CARAMEL	1.48	0.66	
50	MALTY	0.74	0.33	
51	RAISINS	4.44	2.81	
52	MOLASSES	1.48	0.66	
53	COCONUT	0.74	0.47	
54	ANISE (LICORICE)	2.22	0.99	
55	ALCOHOLIC	3.70	2.10	
56	ETHERISH, ANAESTHETIC	7.41	3.47	
57	CLEANING FLUID	0.74	0.47	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.48	1.05	
60	GERANIUM LEAVES	2.96	1.62	
61	CELERY	0.74	0.33	
62	FRESH GREEN VEGETABLES	1.48	0.81	

63	CRUSHED WEEDS	2.96	1.48	
64	CRUSHED GRASS	0.74	0.33	
65	HERBAL, GREEN, CUT GRASS	11.85	7.14	*
66	RAW CUCUMBER	0.74	0.47	
67	HAY	0.74	0.33	
68	GRAINY (AS GRAIN)	0.74	0.33	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	1.48	0.66	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.22	1.15	
73	BEERY	0.74	0.33	
74	SOAPY	2.22	1.41	
75	LEATHER	1.48	0.81	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.74	0.33	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	2.22	1.28	
83	RAW POTATO	0.74	0.47	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.74	0.47	
89	BARK, BIRCH BARK	3.70	2.10	
90	CORK	1.48	0.94	
91	BURNT, SMOKY	0.74	0.33	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	4.44	3.04	
94	COFFEE	0.74	0.33	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	1.48	0.66	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.22	1.41	
102	MEDICINAL	4.44	2.30	
103	CHEMICAL	3.70	2.57	
104	BITTER	2.96	1.62	
105	SHARP, PUNGENT, ACID	8.89	5.85	*
106	SOUR, VINEGAR	17.04	9.40	**
107	SAUERKRAUT	1.48	0.81	
108	AMMONIA	1.48	0.66	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.74	0.33	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	1.48	1.05	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	3.70	2.34	
121	VARNISH	2.22	1.52	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.74	0.33	
127	RANCID	0.74	0.33	
128	SWEATY	0.74	0.74	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.74	0.47	
132	GARLIC, ONION	0.74	0.47	
133	METALLIC	3.70	2.10	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.22	1.15	
141	DRY, POWDERY	3.70	2.10	
142	CHALKY	0.00	0.00	
143	LIGHT	45.93	32.05	********
144	HEAVY	5.19	3.61	
145	COOL, COOLING	25.93	18.80	****
146	WARM	5.19	3.04	

TABLE 91—Lyral

3-CYCLOHEXENE-1-CARBOXALDEHYDE, 4-(4-HYDROXY-4-METHYL PENTYL)
HYDROXY EMPETAL

CHEM. ABSTR. REG. NO. 31906-04-4
C13 H22 O2
MOL. WT. 210.2



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 129
PERCENT WHO DETECTED ODOR..... 92

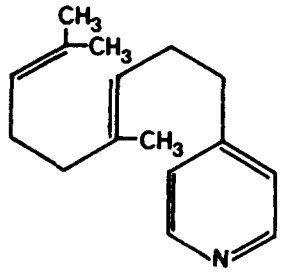
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	6.20	4.04	*
2	LEMON	11.63	6.71	*
3	GRAPEFRUIT	0.78	0.60	
4	ORANGE	4.65	2.69	
5	FRUITY, OTHER THAN CITRUS	13.95	8.82	**
6	PINEAPPLE	1.55	0.69	
7	GRAPE JUICE	0.78	0.49	
8	STRAWBERRY	4.65	2.69	
9	APPLE (FRUIT)	0.78	0.35	
10	PEAR	3.10	1.39	
11	CANTALOUPE, HONEY DEW MELON	2.33	1.04	
12	PEACH (FRUIT)	3.88	1.90	
13	BANANA	1.55	0.85	
14	FLORAL	50.39	37.91	*********
15	ROSE	19.38	13.43	***
16	VIOLETS	11.63	7.60	*
17	LAVENDER	13.18	8.09	**
18	COLOGNE	17.83	11.52	**
19	MUSK	6.98	4.03	*
20	PERFUMERY	49.61	36.79	*********
21	FRAGRANT	65.12	49.12	**********
22	AROMATIC	32.56	24.09	******
23	HONEY	4.65	2.25	
24	CHERRY (BERRY)	3.10	2.30	
25	ALMOND	2.33	1.47	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	3.10	1.83	
28	SPICY	8.53	4.88	*
29	CLOVE	0.78	0.49	
30	CINNAMON	0.78	0.35	
31	LAUREL LEAVES	0.78	0.49	
32	TEA LEAVES	2.33	1.20	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.78	0.49	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.33	1.20	
39	WOODY, RESINOUS	17.83	10.77	**
40	CEDARWOOD	3.88	2.33	
41	MOTHBALLS	0.78	0.35	
42	MINTY, PEPPERMINT	3.88	2.05	
43	CAMPHOR	3.10	1.70	
44	EUCALIPTUS	1.55	0.85	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.55	0.69	
47	SWEET	43.41	30.81	*******
48	MAPLE SYRUP	1.55	0.85	
49	CARAMEL	1.55	0.98	
50	MALTY	0.00	0.00	
51	RAISINS	1.55	0.85	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.33	1.34	
56	ETHERISH, ANAESTHETIC	5.43	4.30	*
57	CLEANING FLUID	1.55	0.69	
58	GASOLINE, SOLVENT	0.78	0.35	
59	TURPENTINE (PINE OIL)	3.88	2.69	
60	GERANIUM LEAVES	4.65	2.25	
61	CELERY	2.33	1.20	
62	FRESH GREEN VEGETABLES	1.55	0.98	

63	CRUSHED WEEDS	3.88	2.33	
64	CRUSHED GRASS	1.55	0.85	
65	HERBAL, GREEN, CUT GRASS	20.16	12.87	***
66	RAW CUCUMBER	0.78	0.35	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.78	0.35	
69	YEASTY	2.33	1.04	
70	BAKERY (FRESH BREAD)	1.55	0.85	
71	SOUR MILK	1.55	0.98	
72	FERMENTED (ROTTEN) FRUIT	0.78	0.60	
73	BEERY	0.78	0.35	
74	SOAPY	12.40	7.60	*
75	LEATHER	1.55	0.85	
76	CARDBOARD	2.33	1.20	
77	ROPE	1.55	0.69	
78	WET PAPER	0.78	0.69	
79	WET WOOL, WET DOG	0.78	0.35	
80	DIRTY LINEN	1.55	1.10	
81	STALE	2.33	1.59	
82	MUSTY, EARTHY, MOLDY	7.75	4.25	*
83	RAW POTATO	1.55	0.85	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.78	0.35	
86	PEANUT BUTTER	0.78	0.35	
87	BEANY	0.78	0.35	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.43	3.31	
90	CORK	0.78	0.35	
91	BURNT, SMOKY	3.88	2.05	
92	FRESH TOBACCO SMOKE	0.78	0.35	
93	INCENSE	8.53	5.75	*
94	COFFEE	0.78	0.49	
95	STALE TOBACCO SMOKE	1.55	0.98	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.78	0.60	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.55	0.85	
100	CREOSOTE	0.78	0.35	
101	DISINFECTANT, CARBOLIC	3.88	1.90	
102	MEDICINAL	3.88	1.73	
103	CHEMICAL	5.43	3.04	
104	BITTER	1.55	0.85	
105	SHARP, PUNGENT, ACID	3.88	2.45	
106	SOUR, VINEGAR	11.63	6.44	*
107	SAUERKRAUT	0.78	0.35	
108	AMMONIA	0.00	0.00	
109	URINE	0.78	0.49	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.78	0.35	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.78	0.35	
118	OILY, FATTY	7.75	5.02	*
119	BUTTERY, FRESH BUTTER	1.55	0.98	
120	PAINT	0.78	0.35	
121	VARNISH	0.78	0.35	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.78	0.35	
126	COOKED VEGETABLES	0.78	0.69	
127	RANCID	3.10	1.55	
128	SWEATY	7.75	4.65	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.55	0.69	
132	GARLIC, ONION	1.55	0.85	
133	METALLIC	3.10	2.30	
134	BLOOD, RAW MEAT	1.55	1.20	
135	ANIMAL	0.00	0.00	
136	SEWER	1.55	0.69	
137	PUTRID, FOUL, DECAYED	4.65	2.69	
138	FECAL (LIKE MANURE)	0.78	0.49	
139	CADAVEROUS (DEAD ANIMAL)	0.78	0.60	
140	SICKENING	4.65	3.18	
141	DRY, POWDERY	4.65	3.06	
142	CHALKY	0.78	0.35	
143	LIGHT	42.64	29.20	*******
144	HEAVY	6.98	5.20	*
145	COOL, COOLING	17.83	12.44	***
146	WARM	9.30	5.10	*

TABLE 92—Maritima

PYRIDINE, 4-(4,8-DIMETHYL-3,7-NONADIENYL)



CHEM. ABSTR. REG. NO. 67258-87-1
C16 H23 N1
MOL. WT. 229.2

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 126
NUMBER WHO DETECTED ODOR..... 118
PERCENT WHO DETECTED ODOR..... 94

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

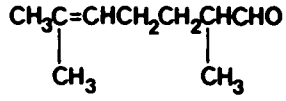
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.39	2.14	
2	LEMON	3.39	1.86	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.54	1.31	
5	FRUITY, OTHER THAN CITRUS	5.93	3.17	
6	PINEAPPLE	0.85	0.38	
7	GRAPE JUICE	0.85	0.54	
8	STRAWBERRY	1.69	0.93	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.85	0.38	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	1.69	0.76	
15	ROSE	0.85	0.54	
16	VIOLETS	0.85	0.66	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.85	0.54	
19	MUSK	3.39	2.63	
20	PERFUMERY	5.08	2.79	
21	FRAGRANT	17.80	10.85	**
22	AROMATIC	11.86	6.80	*
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.85	0.38	
25	ALMOND	3.39	1.69	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.69	1.20	
28	SPICY	1.69	0.76	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.85	0.38	
31	LAUREL LEAVES	0.85	0.54	
32	TEA LEAVES	0.85	0.38	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	3.39	2.01	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.85	0.66	
39	WOODY, RESINOUS	16.95	11.50	**
40	CEDARWOOD	3.39	2.14	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	3.39	2.14	
44	EUCALIPTUS	0.85	0.38	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.85	0.38	
47	SWEET	12.71	7.48	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.85	0.66	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	4.24	2.81	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.85	0.38	
56	ETHERISH, ANAESTHETIC	2.54	1.61	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.85	0.54	
59	TURPENTINE (PINE OIL)	1.69	0.76	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.85	0.54	
65	HERBAL, GREEN, CUT GRASS	13.56	7.43	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.69	0.76	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	2.54	1.61	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.85	0.66	
72	FERMENTED (ROTTEN) FRUIT	3.39	2.14	
73	BEERY	0.00	0.00	
74	SOAPY	6.78	4.01	*
75	LEATHER	0.00	0.00	
76	CARDBOARD	5.93	4.25	*
77	ROPE	0.85	0.54	
78	WET PAPER	5.08	3.60	
79	WET WOOL, WET DOG	11.02	7.85	*
80	DIRTY LINEN	2.54	1.31	
81	STALE	7.63	4.55	*
82	MUSTY, EARTHY, MOLDY	17.80	10.85	**
83	RAW POTATO	1.69	1.07	
84	MOUSE	2.54	1.74	
85	MUSHROOM	1.69	0.93	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	1.69	1.20	
89	BARK, BIRCH BARK	5.08	2.63	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	5.08	3.22	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.54	1.31	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.39	2.01	
96	BURNT PAPER	1.69	0.93	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	5.08	3.35	
102	MEDICINAL	1.69	0.93	
103	CHEMICAL	14.41	10.48	**
104	BITTER	2.54	1.14	
105	SHARP, PUNGENT, ACID	18.64	12.82	***
106	SOUR, VINEGAR	20.34	12.32	***
107	SAUERKRAUT	0.85	0.54	
108	AMMONIA	0.85	0.38	
109	URINE	6.78	4.42	*
110	CAT URINE	4.24	2.68	
111	FISHY	10.17	6.43	*
112	KIPPERY (SMOKED FISH)	1.69	0.93	
113	SEMINAL, SPERM-LIKE	2.54	1.74	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	4.24	2.40	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	11.86	7.09	*
119	BUTTERY, FRESH BUTTER	2.54	1.47	
120	PAINT	0.85	0.38	
121	VARNISH	0.85	0.85	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.69	1.07	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	17.80	12.76	***
128	SWEATY	21.19	14.56	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.54	1.61	
132	GARLIC, ONION	1.69	0.93	
133	METALLIC	11.02	8.31	**
134	BLOOD, RAW MEAT	7.63	4.40	*
135	ANIMAL	12.71	8.43	**
136	SEWER	4.24	2.54	
137	PUTRID, FOUL, DECAYED	15.25	11.14	**
138	FECAL (LIKE MANURE)	1.69	1.42	
139	CADAVEROUS (DEAD ANIMAL)	3.39	2.63	
140	SICKENING	32.20	23.83	*****
141	DRY, POWDERY	5.93	3.33	
142	CHALKY	1.69	1.42	
143	LIGHT	22.03	16.17	****
144	HEAVY	9.32	6.16	*
145	COOL, COOLING	3.39	2.14	
146	WARM	5.93	4.25	

TABLE 93—Melonal

5-HEPTENAL, 2,6-DIMETHYL

CHEM. ABSTR. REG. NO. 106-72-9
C9 H16 O1
MOL. WT. 140.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

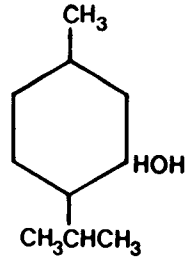
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	31.43	24.07	******
2	LEMON	35.71	25.85	******
3	GRAPEFRUIT	10.71	6.43	*
4	ORANGE	15.00	10.04	**
5	FRUITY, OTHER THAN CITRUS	22.14	14.88	***
6	PINEAPPLE	9.29	5.52	*
7	GRAPE JUICE	2.86	1.69	
8	STRAWBERRY	4.29	2.71	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	7.86	4.37	*
11	CANTALOUPE, HONEY DEW MELON	20.00	15.12	***
12	PEACH (FRUIT)	5.71	3.13	
13	BANANA	3.57	1.75	
14	FLORAL	32.86	20.89	*****
15	ROSE	4.29	2.60	
16	VIOLETS	3.57	1.75	
17	LAVENDER	5.71	3.00	
18	COLOGNE	9.29	5.02	*
19	MUSK	2.14	1.24	
20	PERFUMERY	27.86	19.24	****
21	FRAGRANT	52.86	39.82	*********
22	AROMATIC	37.14	26.86	******
23	HONEY	2.14	1.24	
24	CHERRY (BERRY)	4.29	2.60	
25	ALMOND	2.14	1.11	
26	NAIL POLISH REMOVER	2.86	1.81	
27	NUTTY (WALNUT ETC)	2.86	2.12	
28	SPICY	10.71	5.80	*
29	CLOVE	2.14	0.96	
30	CINNAMON	0.71	0.32	
31	LAUREL LEAVES	1.43	1.01	
32	TEA LEAVES	1.43	0.78	
33	SEASONING (FOR MEAT)	0.71	0.32	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	1.43	1.01	
36	DILL	4.29	2.07	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.86	1.56	
39	WOODY, RESINOUS	11.43	7.00	*
40	CEDARWOOD	3.57	1.89	
41	MOTHBALLS	2.14	1.11	
42	MINTY, PEPPERMINT	10.71	5.10	*
43	CAMPHOR	7.86	4.24	*
44	EUCALIPTUS	3.57	2.26	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	3.57	1.89	
47	SWEET	36.43	25.30	******
48	MAPLE SYRUP	0.71	0.55	
49	CARAMEL	0.71	0.32	
50	MALTY	1.43	0.90	
51	RAISINS	0.71	0.45	
52	MOLASSES	0.71	0.32	
53	COCONUT	1.43	1.11	
54	ANISE (LICORICE)	2.14	1.36	
55	ALCOHOLIC	6.43	3.59	
56	ETHERISH, ANAESTHETIC	14.29	8.21	**
57	CLEANING FLUID	7.86	5.19	*
58	GASOLINE, SOLVENT	8.57	5.42	*
59	TURPENTINE (PINE OIL)	12.86	8.35	**
60	GERANIUM LEAVES	5.00	2.54	
61	CELERY	3.57	2.02	
62	FRESH GREEN VEGETABLES	5.71	4.24	*

63	CRUSHED WEEDS	6.43	4.07	*
64	CRUSHED GRASS	11.43	7.23	*
65	HERBAL, GREEN, CUT GRASS	36.43	23.26	*****
66	RAW CUCUMBER	14.29	9.79	**
67	HAY	0.71	0.32	
68	GRAINY (AS GRAIN)	0.71	0.45	
69	YEASTY	1.43	1.11	
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.14	1.11	
73	BEERY	0.71	0.32	
74	SOAPY	12.14	6.84	*
75	LEATHER	1.43	0.64	
76	CARDBOARD	0.71	0.32	
77	ROPE	0.00	0.00	
78	WET PAPER	1.43	0.64	
79	WET WOOL, WET DOG	2.14	1.11	
80	DIRTY LINEN	0.71	0.32	
81	STALE	2.14	0.96	
82	MUSTY, EARTHY, MOLDY	7.14	4.16	*
83	RAW POTATO	1.43	0.64	
84	MOUSE	0.00	0.00	
85	MUSHROOM	2.14	1.24	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.71	0.45	
88	EGGY (FRESH EGGS)	0.71	0.32	
89	BARK, BIRCH BARK	4.29	2.35	
90	CORK	0.71	0.32	
91	BURNT, SMOKY	4.29	2.71	
92	FRESH TOBACCO SMOKE	0.71	0.32	
93	INCENSE	9.29	5.64	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	1.43	0.64	
101	DISINFECTANT, CARBOLIC	10.00	6.55	*
102	MEDICINAL	12.14	6.72	*
103	CHEMICAL	16.43	10.39	**
104	BITTER	2.14	1.46	
105	SHARP, PUNGENT, ACID	17.14	11.50	**
106	SOUR, VINEGAR	8.57	4.56	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.14	1.36	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.71	0.32	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.71	0.45	
116	BURNT CANDLE	1.43	0.90	
117	KEROSENE	1.43	0.90	
118	OILY, FATTY	12.86	9.09	**
119	BUTTERY, FRESH BUTTER	1.43	1.01	
120	PAINT	4.29	2.71	
121	VARNISH	5.00	2.67	
122	POPCORN	2.86	1.56	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.14	0.96	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.71	0.32	
127	RANCID	3.57	2.02	
128	SWEATY	9.29	5.98	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.71	0.45	
131	SULFIDIC	0.71	0.32	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.86	1.43	
134	BLOOD, RAW MEAT	0.71	0.45	
135	ANIMAL	0.71	0.71	
136	SEWER	0.71	0.32	
137	PUTRID, FOUL, DECAYED	3.57	2.58	
138	FECAL (LIKE MANURE)	0.71	0.32	
139	CADAVEROUS (DEAD ANIMAL)	0.71	0.45	
140	SICKENING	6.43	3.83	
141	DRY, POWDERY	5.71	3.13	
142	CHALKY	0.00	0.00	
143	LIGHT	33.57	23.18	*****
144	HEAVY	10.71	7.82	*
145	COOL, COOLING	33.57	23.69	*****
146	WARM	7.86	5.08	*

TABLE 94—Menthol: l-Menthol

CYCLOHEXANOL, 5-METHYL-2-(1-METHYL ETHYL)
L-MENTHOL
3-P-MENTHANOL
HEXAHYDRO THYMOL
PEPPERMINT CAMPHOR

CHEM ABSTR. REG. NO. 2216-51-5
C10 H20 01
MOL. WT. 156.3



CONCENTRATION, G/LITER..... 8
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

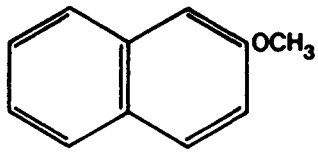
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.34	0.74	
2	LEMON	4.03	2.08	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	4.70	2.97	
6	PINEAPPLE	2.01	1.04	
7	GRAPE JUICE	0.67	0.60	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	4.70	2.63	
11	CANTALOUPE, HONEY DEW MELON	2.01	1.04	
12	PEACH (FRUIT)	2.01	1.04	
13	BANANA	0.67	0.30	
14	FLORAL	6.04	3.92	
15	ROSE	0.67	0.42	
16	VIOLETS	0.67	0.30	
17	LAVENDER	5.37	3.18	
18	COLOGNE	2.68	1.59	
19	MUSK	3.36	2.51	
20	PERFUMERY	8.05	5.60	*
21	FRAGRANT	40.94	30.74	*******
22	AROMATIC	44.97	33.60	********
23	HONEY	2.68	1.59	
24	CHERRY (BERRY)	2.01	1.38	
25	ALMOND	1.34	0.74	
26	NAIL POLISH REMOVER	4.70	2.75	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	12.08	7.75	*
29	CLOVE	6.04	3.82	
30	CINNAMON	0.67	0.30	
31	LAUREL LEAVES	2.68	1.34	
32	TEA LEAVES	2.01	1.47	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.34	0.95	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.34	0.60	
37	CARAWAY	1.34	0.74	
38	OAK WOOD, COGNAC	0.67	0.30	
39	WOODY, RESINOUS	10.74	6.68	*
40	CEDARWOOD	6.71	4.55	*
41	MOTHBALLS	8.72	4.96	*
42	MINTY, PEPPERMINT	58.39	43.01	**********
43	CAMPHOR	45.64	34.12	********
44	EUCALIPTUS	39.60	32.60	********
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.34	0.95	
47	SWEET	24.83	16.23	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	1.34	0.74	
50	MALTY	0.67	0.42	
51	RAISINS	1.34	0.95	
52	MOLASSES	1.34	1.04	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	10.07	6.15	*
55	ALCOHOLIC	8.72	4.96	*
56	ETHERISH, ANAESTHETIC	30.20	19.21	****
57	CLEANING FLUID	5.37	3.40	
58	GASOLINE, SOLVENT	4.03	2.32	
59	TURPENTINE (PINE OIL)	12.08	7.20	*
60	GERANIUM LEAVES	1.34	0.74	
61	CELERY	0.67	0.30	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	3.36	1.90	
64	CRUSHED GRASS	2.01	1.04	
65	HERBAL, GREEN, CUT GRASS	18.12	11.25	**
66	RAW CUCUMBER	0.67	0.30	
67	HAY	0.67	0.30	
68	GRAINY (AS GRAIN)	0.67	0.42	
69	YEASTY	0.67	0.30	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.34	1.04	
73	BEERY	0.67	0.52	
74	SOAPY	0.67	0.42	
75	LEATHER	1.34	0.85	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.67	0.42	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.67	0.30	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	2.01	1.04	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	1.34	0.74	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.04	3.25	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	2.68	1.47	
92	FRESH TOBACCO SMOKE	1.34	0.74	
93	INCENSE	5.37	3.40	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.01	1.27	
100	CREOSOTE	3.36	2.12	
101	DISINFECTANT, CARBOLIC	11.41	6.78	*
102	MEDICINAL	55.70	40.56	**********
103	CHEMICAL	14.77	9.23	**
104	BITTER	1.34	0.95	
105	SHARP, PUNGENT, ACID	20.13	14.33	***
106	SOUR, VINEGAR	3.36	2.23	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	4.70	3.08	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.67	0.42	
112	KIPPERY (SMOKED FISH)	0.67	0.30	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	2.01	1.04	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	3.36	1.64	
118	OILY, FATTY	4.03	2.65	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.01	1.27	
121	VARNISH	4.03	2.08	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.34	0.95	
128	SWEATY	0.67	0.52	
129	CHEESY	1.34	0.74	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.67	0.42	
133	METALLIC	4.03	2.55	
134	BLOOD, RAW MEAT	0.67	0.67	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	1.34	0.85	
141	DRY, POWDERY	2.01	1.47	
142	CHALKY	0.67	0.42	
143	LIGHT	28.19	18.76	****
144	HEAVY	14.77	11.86	**
145	COOL, COOLING	57.72	46.58	**********
146	WARM	9.40	7.86	*

TABLE 95—Methoxy-Naphthalene: 2-Methoxy Naphthalene

METHYL-2-NAPHTHYL ETHER
NAPHTHALENE, 2-METHOXY
BETA-NAPHTHYL METHYL ETHER
METHYL BETA-NAPHTHYL ETHER
YARA-YARA

CHEM. ABSTR. REG. NO. 93-04-9
C11 H10 O1
MOL. WT. 158.1



CONCENTRATION, G/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

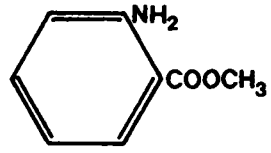
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.00	3.68	
2	LEMON	4.29	2.07	
3	GRAPEFRUIT	0.71	0.45	
4	ORANGE	2.86	1.69	
5	FRUITY, OTHER THAN CITRUS	13.57	10.14	**
6	PINEAPPLE	1.43	0.78	
7	GRAPE JUICE	5.00	4.14	*
8	STRAWBERRY	3.57	2.26	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.14	1.11	
11	CANTALOUPE, HONEY DEW MELON	2.14	1.11	
12	PEACH (FRUIT)	1.43	0.78	
13	BANANA	0.00	0.00	
14	FLORAL	24.29	16.87	****
15	ROSE	10.00	6.32	*
16	VIOLETS	5.00	3.27	
17	LAVENDER	11.43	6.64	*
18	COLOGNE	7.86	4.49	*
19	MUSK	7.14	5.05	*
20	PERFUMERY	32.86	23.03	*****
21	FRAGRANT	57.14	43.05	**********
22	AROMATIC	41.43	31.06	*******
23	HONEY	2.14	1.24	
24	CHERRY (BERRY)	7.86	4.86	*
25	ALMOND	12.86	7.90	*
26	NAIL POLISH REMOVER	1.43	0.78	
27	NUTTY (WALNUT ETC)	3.57	2.14	
28	SPICY	12.14	7.79	*
29	CLOVE	2.86	1.56	
30	CINNAMON	3.57	2.47	
31	LAUREL LEAVES	1.43	1.01	
32	TEA LEAVES	0.71	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.71	0.45	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.86	1.28	
39	WOODY, RESINOUS	21.43	12.74	***
40	CEDARWOOD	6.43	4.07	*
41	MOTHBALLS	22.14	14.56	***
42	MINTY, PEPPERMINT	17.86	12.47	***
43	CAMPHOR	17.14	10.61	**
44	EUCALIPTUS	6.43	3.59	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	4.29	2.35	
47	SWEET	45.00	30.85	*******
48	MAPLE SYRUP	0.71	0.32	
49	CARAMEL	0.00	0.00	
50	MALTY	2.14	1.46	
51	RAISINS	0.71	0.45	
52	MOLASSES	0.71	0.45	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	10.71	7.32	*
55	ALCOHOLIC	2.86	1.56	
56	ETHERISH, ANAESTHETIC	14.29	8.69	**
57	CLEANING FLUID	10.00	5.61	*
58	GASOLINE, SOLVENT	10.00	6.44	*
59	TURPENTINE (PINE OIL)	12.86	8.24	**
60	GERANIUM LEAVES	0.71	0.32	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.43	1.01	
64	CRUSHED GRASS	1.43	0.90	
65	HERBAL, GREEN, CUT GRASS	17.14	11.18	**
66	RAW CUCUMBER	0.71	0.45	
67	HAY	1.43	0.64	
68	GRAINY (AS GRAIN)	0.71	0.32	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.43	0.78	
73	BEERY	0.71	0.64	
74	SOAPY	10.71	8.02	**
75	LEATHER	7.14	4.40	*
76	CARDBOARD	2.86	1.28	
77	ROPE	2.14	0.96	
78	WET PAPER	2.14	1.24	
79	WET WOOL, WET DOG	1.43	0.64	
80	DIRTY LINEN	0.00	0.00	
81	STALE	5.00	3.16	
82	MUSTY, EARTHY, MOLDY	9.29	5.40	*
83	RAW POTATO	1.43	0.78	
84	MOUSE	0.71	0.32	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.71	0.55	
89	BARK, BIRCH BARK	4.29	2.60	
90	CORK	3.57	2.02	
91	BURNT, SMOKY	8.57	5.19	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	9.29	5.40	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.71	0.32	
96	BURNT PAPER	1.43	0.90	
97	BURNT MILK	0.71	0.55	
98	BURNT RUBBER	2.14	0.96	
99	TAR	9.29	6.09	*
100	CREOSOTE	7.14	5.25	*
101	DISINFECTANT, CARBOLIC	20.71	12.99	***
102	MEDICINAL	17.86	11.29	**
103	CHEMICAL	22.14	16.11	****
104	BITTER	2.86	1.69	
105	SHARP, PUNGENT, ACID	11.43	7.11	*
106	SOUR, VINEGAR	4.29	2.71	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.43	0.78	
109	URINE	1.43	0.90	
110	CAT URINE	0.00	0.00	
111	FISHY	0.71	0.64	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	7.14	5.53	*
115	SOOTY	2.14	1.24	
116	BURNT CANDLE	1.43	0.64	
117	KEROSENE	10.00	5.98	*
118	OILY, FATTY	6.43	4.18	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	14.29	8.08	**
121	VARNISH	9.29	5.52	*
122	POPCORN	1.43	0.64	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.71	0.45	
127	RANCID	2.86	1.56	
128	SWEATY	5.71	3.50	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	2.14	1.11	
131	SULFIDIC	1.43	0.90	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	5.00	3.38	
134	BLOOD, RAW MEAT	1.43	0.78	
135	ANIMAL	2.14	0.96	
136	SEWER	0.71	0.45	
137	PUTRID, FOUL, DECAYED	1.43	0.64	
138	FECAL (LIKE MANURE)	2.14	1.24	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	7.14	4.04	*
141	DRY, POWDERY	14.29	9.58	**
142	CHALKY	0.71	0.32	
143	LIGHT	20.00	13.31	***
144	HEAVY	23.57	17.70	****
145	COOL, COOLING	20.00	12.42	***
146	WARM	21.43	14.11	***

TABLE 96—Methyl Anthranilate

BENZOIC ACID, 2-AMINO: METHYL ESTER
ANTHRANILIC ACID, METHYL ESTER

CHEM. ABSTR. REG. NO. 134-20-3
C8 H9 N1 O2
MOL. WT. 151.1



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

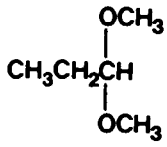
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	10.79	7.98	*
2	LEMON	7.19	5.19	*
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	11.51	6.56	*
5	FRUITY, OTHER THAN CITRUS	47.48	38.68	*********
6	PINEAPPLE	5.76	2.88	
7	GRAPE JUICE	31.65	27.74	******
8	STRAWBERRY	14.39	8.39	**
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.88	1.29	
11	CANTALOUPE, HONEY DEW MELON	3.60	2.16	
12	PEACH (FRUIT)	5.76	2.88	
13	BANANA	1.44	0.79	
14	FLORAL	37.41	26.86	******
15	ROSE	14.39	9.21	**
16	VIOLETS	9.35	5.56	*
17	LAVENDER	17.99	10.43	**
18	COLOGNE	12.95	8.19	**
19	MUSK	4.32	2.61	
20	PERFUMERY	42.45	30.77	*******
21	FRAGRANT	69.78	52.64	************
22	AROMATIC	47.48	36.96	*********
23	HONEY	7.91	5.01	*
24	CHERRY (BERRY)	22.30	14.44	***
25	ALMOND	10.07	6.02	*
26	NAIL POLISH REMOVER	1.44	0.64	
27	NUTTY (WALNUT ETC)	1.44	0.64	
28	SPICY	10.07	6.26	*
29	CLOVE	0.72	0.32	
30	CINNAMON	3.60	2.03	
31	LAUREL LEAVES	1.44	0.91	
32	TEA LEAVES	0.72	0.46	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.72	0.32	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.88	1.70	
39	WOODY, RESINOUS	10.07	5.90	*
40	CEDARWOOD	4.32	2.36	
41	MOTHBALLS	5.04	2.82	
42	MINTY, PEPPERMINT	7.19	5.09	*
43	CAMPHOR	7.91	4.77	*
44	EUCALIPTUS	3.60	2.59	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	7.91	4.13	*
47	SWEET	61.15	49.01	**********
48	MAPLE SYRUP	2.16	1.11	
49	CARAMEL	0.72	0.32	
50	MALTY	0.72	0.32	
51	RAISINS	1.44	0.79	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.44	0.64	
55	ALCOHOLIC	3.60	2.16	
56	ETHERISH, ANAESTHETIC	4.32	2.36	
57	CLEANING FLUID	0.72	0.46	
58	GASOLINE, SOLVENT	0.72	0.32	
59	TURPENTINE (PINE OIL)	0.72	0.32	
60	GERANIUM LEAVES	0.72	0.46	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.44	0.64	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	1.44	0.64	
65	HERBAL, GREEN, CUT GRASS	12.23	7.62	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.44	0.79	
68	GRAINY (AS GRAIN)	0.72	0.46	
69	YEASTY	0.72	0.56	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.44	0.79	
73	BEERY	0.00	0.00	
74	SOAPY	5.76	3.52	
75	LEATHER	1.44	0.91	
76	CARDBOARD	0.72	0.32	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.16	1.37	
80	DIRTY LINEN	0.72	0.32	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	4.32	2.84	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.72	0.46	
89	BARK, BIRCH BARK	2.16	1.11	
90	CORK	1.44	0.91	
91	BURNT, SMOKY	2.88	1.82	
92	FRESH TOBACCO SMOKE	0.72	0.32	
93	INCENSE	11.51	7.28	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.72	0.46	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.72	0.32	
100	CREOSOTE	2.16	1.11	
101	DISINFECTANT, CARBOLIC	5.04	3.40	
102	MEDICINAL	6.47	4.10	*
103	CHEMICAL	4.32	2.61	
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	4.32	2.84	
106	SOUR, VINEGAR	3.60	2.16	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.72	0.56	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.72	0.32	
116	BURNT CANDLE	1.44	0.91	
117	KEROSENE	1.44	0.64	
118	OILY, FATTY	5.04	2.82	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	1.44	1.02	
121	VARNISH	1.44	1.02	
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.72	0.56	
128	SWEATY	2.88	2.41	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.72	0.72	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	1.44	0.79	
137	PUTRID, FOUL, DECAYED	1.44	1.11	
138	FECAL (LIKE MANURE)	0.72	0.32	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.88	1.93	
141	DRY, POWDERY	10.79	6.35	*
142	CHALKY	0.00	0.00	
143	LIGHT	33.81	23.13	*****
144	HEAVY	12.23	8.39	**
145	COOL, COOLING	15.83	10.99	**
146	WARM	16.55	11.02	**

TABLE 97—Methyl Acetaldehyde Dimethyl Acetal

PROPANE, 1,1-DIMETHOXY
PROPIONALDEHYDE, DIMETHYL ACETAL

CHEM. ABSTR. REG. NO. 462-95-3
C5 H12 O2
MOL. WT. 104.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 123
NUMBER WHO DETECTED ODOR..... 123
PERCENT WHO DETECTED ODOR..... 100

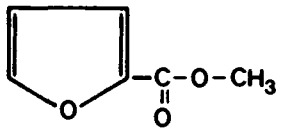
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	8.94	6.15	*
2	LEMON	8.13	5.75	*
3	GRAPEFRUIT	2.44	1.67	
4	ORANGE	2.44	1.26	
5	FRUITY, OTHER THAN CITRUS	5.69	4.08	*
6	PINEAPPLE	1.63	1.03	
7	GRAPE JUICE	0.81	0.36	
8	STRAWBERRY	1.63	0.89	
9	APPLE (FRUIT)	0.81	0.36	
10	PEAR	1.63	0.73	
11	CANTALOUPE, HONEY DEW MELON	1.63	1.03	
12	PEACH (FRUIT)	0.81	0.36	
13	BANANA	0.00	0.00	
14	FLORAL	39.02	30.95	*******
15	ROSE	20.33	17.05	****
16	VIOLETS	6.50	5.24	*
17	LAVENDER	5.69	4.51	*
18	COLOGNE	9.76	6.66	*
19	MUSK	2.44	1.09	
20	PERFUMERY	30.08	23.61	*****
21	FRAGRANT	39.84	31.99	*******
22	AROMATIC	25.20	18.99	****
23	HONEY	1.63	0.73	
24	CHERRY (BERRY)	1.63	1.03	
25	ALMOND	2.44	1.54	
26	NAIL POLISH REMOVER	4.07	2.30	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	4.07	2.30	
29	CLOVE	1.63	0.73	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	3.25	1.92	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.63	1.36	
37	CARAWAY	0.81	0.36	
38	OAK WOOD, COGNAC	0.81	0.51	
39	WOODY, RESINOUS	11.38	7.45	*
40	CEDARWOOD	0.81	0.36	
41	MOTHBALLS	1.63	0.89	
42	MINTY, PEPPERMINT	4.88	3.21	
43	CAMPHOR	6.50	3.41	
44	EUCALIPTUS	1.63	1.36	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	32.52	24.66	******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.07	2.57	
56	ETHERISH, ANAESTHETIC	8.13	5.39	*
57	CLEANING FLUID	8.13	6.50	*
58	GASOLINE, SOLVENT	2.44	1.26	
59	TURPENTINE (PINE OIL)	12.20	7.71	*
60	GERANIUM LEAVES	7.32	4.88	*
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	5.69	3.60	

63	CRUSHED WEEDS	4.07	2.82	
64	CRUSHED GRASS	4.88	2.95	
65	HERBAL, GREEN, CUT GRASS	26.83	18.21	****
66	RAW CUCUMBER	0.81	0.36	
67	HAY	1.63	0.89	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.63	0.89	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.63	0.89	
72	FERMENTED (ROTTEN) FRUIT	3.25	1.78	
73	BEERY	0.00	0.00	
74	SOAPY	12.20	8.57	**
75	LEATHER	0.81	0.51	
76	CARDBOARD	0.00	0.00	
77	ROPE	1.63	0.89	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.81	0.81	
81	STALE	3.25	2.30	
82	MUSTY, EARTHY, MOLDY	10.57	5.71	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	2.44	1.99	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.63	1.15	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	4.07	2.57	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	4.07	2.93	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.63	0.89	
96	BURNT PAPER	0.81	0.36	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.63	1.03	
99	TAR	1.63	0.89	
100	CREOSOTE	0.81	0.51	
101	DISINFECTANT, CARBOLIC	6.50	4.36	*
102	MEDICINAL	8.94	5.12	*
103	CHEMICAL	9.76	6.54	*
104	BITTER	1.63	1.03	
105	SHARP, PUNGENT, ACID	14.63	9.88	**
106	SOUR, VINEGAR	5.69	3.33	
107	SAUERKRAUT	0.81	0.51	
108	AMMONIA	1.63	1.15	
109	URINE	2.44	1.54	
110	CAT URINE	1.63	1.15	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	2.44	1.26	
114	NEW RUBBER	4.88	3.56	
115	SOOTY	0.81	0.51	
116	BURNT CANDLE	0.81	0.36	
117	KEROSENE	2.44	1.26	
118	OILY, FATTY	4.07	2.93	
119	BUTTERY, FRESH BUTTER	0.81	0.81	
120	PAINT	8.94	6.38	*
121	VARNISH	4.07	2.44	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.81	0.63	
125	SOUPY	0.81	0.36	
126	COOKED VEGETABLES	1.63	1.15	
127	RANCID	3.25	1.63	
128	SWEATY	7.32	4.36	*
129	CHEESY	0.81	0.36	
130	HOUSEHOLD GAS	0.81	0.63	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.25	2.30	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	1.63	0.73	
136	SEWER	0.81	0.51	
137	PUTRID, FOUL, DECAYED	1.63	0.73	
138	FECAL (LIKE MANURE)	1.63	0.73	
139	CADAVEROUS (DEAD ANIMAL)	0.81	0.63	
140	SICKENING	11.38	7.20	*
141	DRY, POWDERY	7.32	4.22	*
142	CHALKY	0.81	0.63	
143	LIGHT	19.51	14.03	***
144	HEAVY	12.20	8.91	**
145	COOL, COOLING	13.01	9.76	**
146	WARM	8.13	5.75	

TABLE 98—Methyl Furoate

CHEM. ABSTR. REG. NO. 1334-76-5
C6 H6 O2
MOL. WT. 126.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	134
PERCENT WHO DETECTED ODOR.....	96
CONCENTRATION, ML/LITER.....	40
P.U. = PERCENT WHO USED THE TERM	123
P.A. = PERCENT APPLICABILITY	123
PERCENT WHO DETECTED ODOR.....	100

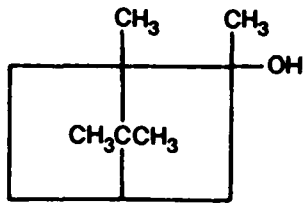
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.49	0.94	
2	LEMON	0.75	0.47	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.75	0.33	
5	FRUITY, OTHER THAN CITRUS	5.97	3.89	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.75	0.33	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.49	0.67	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.75	0.58	
13	BANANA	2.99	1.77	
14	FLORAL	2.99	2.41	
15	ROSE	1.49	0.94	
16	VIOLETS	0.75	0.47	
17	LAVENDER	0.75	0.33	
18	COLOGNE	1.49	0.67	
19	MUSK	3.73	2.59	
20	PERFUMERY	4.48	2.71	
21	FRAGRANT	14.18	9.76	**
22	AROMATIC	17.16	11.54	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.75	0.47	
25	ALMOND	5.22	3.30	
26	NAIL POLISH REMOVER	11.94	8.23	**
27	NUTTY (WALNUT ETC)	4.48	2.71	
28	SPICY	4.48	2.59	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.75	0.33	
34	BLACK PEPPER	0.75	0.47	
35	GREEN PEPPER	0.75	0.47	
36	DILL	0.75	0.33	
37	CARAWAY	0.75	0.33	
38	OAK WOOD, COGNAC	1.49	0.82	
39	WOODY, RESINOUS	17.91	12.24	***
40	CEDARWOOD	3.73	2.11	
41	MOTHBALLS	2.24	1.53	
42	MINTY, PEPPERMINT	8.21	6.36	*
43	CAMPHOR	6.72	4.70	*
44	EUCALIPTUS	4.48	3.27	
45	CHOCOLATE	0.75	0.58	
46	VANILLA	1.49	0.82	
47	SWEET	20.90	12.86	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.75	0.33	
50	MALTY	0.75	0.33	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.75	0.33	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	7.46	4.60	*
56	ETHERISH, ANAESTHETIC	20.90	15.80	***
57	CLEANING FLUID	7.46	5.68	*
58	GASOLINE, SOLVENT	13.43	9.28	**
59	TURPENTINE (PINE OIL)	11.19	7.76	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.75	0.33	
62	FRESH GREEN VEGETABLES	0.75	0.33	

63	CRUSHED WEEDS	1.49	0.94	
64	CRUSHED GRASS	1.49	1.06	
65	HERBAL, GREEN, CUT GRASS	8.21	4.82	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.75	0.47	
68	GRAINY (AS GRAIN)	2.99	1.63	
69	YEASTY	2.24	1.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.49	1.16	
72	FERMENTED (ROTTEN) FRUIT	1.49	1.16	
73	BEERY	0.00	0.00	
74	SOAPY	0.75	0.33	
75	LEATHER	4.48	2.45	
76	CARDBOARD	9.70	6.14	*
77	ROPE	1.49	1.06	
78	WET PAPER	2.99	1.89	
79	WET WOOL, WET DOG	5.97	4.22	*
80	DIRTY LINEN	1.49	1.25	
81	STALE	8.21	5.75	*
82	MUSTY, EARTHY, MOLDY	9.70	6.25	*
83	RAW POTATO	0.75	0.47	
84	MOUSE	0.75	0.58	
85	MUSHROOM	0.75	0.47	
86	PEANUT BUTTER	2.24	1.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.99	2.00	
90	CORK	2.24	1.29	
91	BURNT, SMOKY	13.43	8.26	**
92	FRESH TOBACCO SMOKE	0.75	0.33	
93	INCENSE	2.24	1.53	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.49	0.94	
96	BURNT PAPER	3.73	2.11	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	3.73	3.08	
99	TAR	7.46	4.95	*
100	CREOSOTE	5.97	4.33	*
101	DISINFECTANT, CARBOLIC	11.19	8.48	**
102	MEDICINAL	19.40	14.03	***
103	CHEMICAL	25.37	18.97	****
104	BITTER	4.48	3.27	
105	SHARP, PUNGENT, ACID	26.87	19.31	****
106	SOUR, VINEGAR	16.42	11.07	**
107	SAUERKRAUT	2.24	1.16	
108	AMMONIA	5.22	3.85	
109	URINE	1.49	0.67	
110	CAT URINE	1.49	1.16	
111	FISHY	2.24	1.00	
112	KIPPERY (SMOKED FISH)	0.75	0.47	
113	SEMINAL, SPERM-LIKE	0.75	0.33	
114	NEW RUBBER	11.19	8.57	**
115	SOOTY	2.99	2.11	
116	BURNT CANDLE	0.75	0.33	
117	KEROSENE	5.22	3.42	
118	OILY, FATTY	17.91	12.24	***
119	BUTTERY, FRESH BUTTER	2.24	1.53	
120	PAINT	13.43	8.84	**
121	VARNISH	6.72	4.36	*
122	POPCORN	0.75	0.67	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.49	0.67	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	8.96	6.33	*
128	SWEATY	10.45	7.28	*
129	CHEESY	0.75	0.33	
130	HOUSEHOLD GAS	5.22	3.42	
131	SULFIDIC	6.72	4.80	*
132	GARLIC, ONION	5.22	3.53	
133	METALLIC	7.46	5.68	*
134	BLOOD, RAW MEAT	0.75	0.47	
135	ANIMAL	1.49	0.94	
136	SEWER	3.73	2.36	
137	PUTRID, FOUL, DECAYED	5.22	4.23	*
138	FECAL (LIKE MANURE)	2.24	1.53	
139	CADAVEROUS (DEAD ANIMAL)	2.24	1.83	
140	SICKENING	16.42	12.52	***
141	DRY, POWDERY	7.46	4.95	*
142	CHALKY	0.75	0.47	
143	LIGHT	20.90	14.35	***
144	HEAVY	17.91	14.06	***
145	COOL, COOLING	15.67	10.60	**
146	WARM	5.97	3.89	

TABLE 99—Methyl-iso-Borneol: 2-Methyl-iso-Borneol

1,2,7,7-TETRAMETHYL-NORBORNEOL

CHEM. ABSTR. REG. NO. 2271-428
C11 H20 O1
MOL. WT. 168.2



CONCENTRATION, G/LITER.....	7
NUMBER OF EVALUATORS.....	149
NUMBER WHO DETECTED ODOR.....	143
PERCENT WHO DETECTED ODOR.....	96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

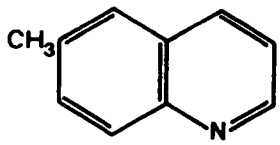
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.10	1.21	
2	LEMON	1.40	0.63	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	4.20	2.97	
6	PINEAPPLE	0.70	0.44	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.70	0.31	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.50	2.10	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.70	0.31	
13	BANANA	0.00	0.00	
14	FLORAL	6.99	4.31	*
15	ROSE	2.10	1.33	
16	VIOLETS	1.40	0.63	
17	LAVENDER	3.50	1.85	
18	COLOGNE	4.20	2.42	
19	MUSK	6.99	3.70	
20	PERFUMERY	11.19	7.40	*
21	FRAGRANT	29.37	19.75	****
22	AROMATIC	25.17	16.25	****
23	HONEY	1.40	0.63	
24	CHERRY (BERRY)	0.70	0.31	
25	ALMOND	8.39	5.73	*
26	NAIL POLISH REMOVER	4.20	2.17	
27	NUTTY (WALNUT ETC)	2.80	1.77	
28	SPICY	5.59	3.43	
29	CLOVE	0.70	0.31	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.40	0.77	
32	TEA LEAVES	0.70	0.31	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.10	0.94	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.80	1.40	
39	WOODY, RESINOUS	43.36	27.97	******
40	CEDARWOOD	12.59	7.74	*
41	MOTHBALLS	5.59	3.54	
42	MINTY, PEPPERMINT	2.10	1.08	
43	CAMPHOR	12.59	8.90	**
44	EUCALIPTUS	3.50	2.52	
45	CHOCOLATE	0.70	0.44	
46	VANILLA	1.40	0.63	
47	SWEET	18.18	11.16	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.70	0.31	
50	MALTY	4.20	2.97	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.70	0.31	
53	COCONUT	2.80	1.77	
54	ANISE (LICORICE)	2.80	1.40	
55	ALCOHOLIC	2.80	1.77	
56	ETHERISH, ANAESTHETIC	3.50	2.42	
57	CLEANING FLUID	1.40	0.63	
58	GASOLINE, SOLVENT	2.80	1.25	
59	TURPENTINE (PINE OIL)	5.59	3.06	
60	GERANIUM LEAVES	0.70	0.54	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	2.80	1.88	

63	CRUSHED WEEDS	4.20	2.54	
64	CRUSHED GRASS	5.59	3.19	
65	HERBAL, GREEN, CUT GRASS	16.78	10.39	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	4.20	2.42	
68	GRAINY (AS GRAIN)	6.29	3.51	
69	YEASTY	2.80	1.88	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.40	0.88	
72	FERMENTED (ROTTEN) FRUIT	4.20	2.65	
73	BEERY	1.40	0.88	
74	SOAPY	2.80	1.65	
75	LEATHER	5.59	3.43	
76	CARDBOARD	10.49	6.41	*
77	ROPE	2.10	1.33	
78	WET PAPER	8.39	5.20	*
79	WET WOOL, WET DOG	2.10	0.94	
80	DIRTY LINEN	2.10	1.33	
81	STALE	7.69	4.75	*
82	MUSTY, EARTHY, MOLDY	48.95	37.92	*********
83	RAW POTATO	2.10	1.53	
84	MOUSE	2.80	1.40	
85	MUSHROOM	3.50	2.21	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.70	0.31	
88	EGGY (FRESH EGGS)	1.40	0.88	
89	BARK, BIRCH BARK	7.69	4.97	*
90	CORK	4.90	2.98	
91	BURNT, SMOKY	10.49	6.96	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	7.69	4.52	*
94	COFFEE	0.70	0.31	
95	STALE TOBACCO SMOKE	1.40	0.63	
96	BURNT PAPER	0.70	0.44	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.10	0.94	
100	CREOSOTE	2.10	0.94	
101	DISINFECTANT, CARBOLIC	7.69	4.64	*
102	MEDICINAL	9.79	6.30	*
103	CHEMICAL	14.69	8.72	**
104	BITTER	1.40	0.63	
105	SHARP, PUNGENT, ACID	5.59	3.19	
106	SOUR, VINEGAR	5.59	3.43	
107	SAUERKRAUT	1.40	0.88	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.70	0.31	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.70	0.44	
114	NEW RUBBER	1.40	0.63	
115	SOOTY	0.70	0.31	
116	BURNT CANDLE	2.80	1.98	
117	KEROSENE	0.70	0.31	
118	OILY, FATTY	11.89	7.74	*
119	BUTTERY, FRESH BUTTER	1.40	0.63	
120	PAINT	12.59	7.39	*
121	VARNISH	4.90	2.48	
122	POPCORN	0.70	0.31	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.70	0.31	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.70	0.44	
127	RANCID	3.50	2.21	
128	SWEATY	12.59	7.15	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.80	1.77	
132	GARLIC, ONION	0.70	0.31	
133	METALLIC	4.90	2.87	
134	BLOOD, RAW MEAT	1.40	1.08	
135	ANIMAL	1.40	0.99	
136	SEWER	0.70	0.44	
137	PUTRID, FOUL, DECAYED	3.50	1.98	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.70	0.31	
140	SICKENING	7.69	5.29	*
141	DRY, POWDERY	6.99	4.64	*
142	CHALKY	2.80	1.40	
143	LIGHT	23.08	15.66	***
144	HEAVY	18.18	12.25	***
145	COOL, COOLING	7.69	5.49	*
146	WARM	7.69	4.75	*

TABLE 100—Methyl Quinoline: para-Methyl Quinoline

QUINOLINE, 4-METHYL
LEPIDINE
6-METHYL QUINOLINE

CHEM ABSTR. REG. NO. 491-35-0
C10 H9 N1
MOL. WT. 143.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 123
NUMBER WHO DETECTED ODOR..... 122
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

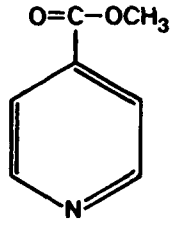
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	1.64	0.73	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	3.28	2.32	
6	PINEAPPLE	0.82	0.52	
7	GRAPE JUICE	0.82	0.73	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	8.20	5.18	*
15	ROSE	3.28	2.20	
16	VIOLETS	4.10	2.46	
17	LAVENDER	2.46	1.80	
18	COLOGNE	5.74	3.63	
19	MUSK	4.92	2.84	
20	PERFUMERY	9.02	5.83	*
21	FRAGRANT	23.77	15.67	***
22	AROMATIC	16.39	11.71	**
23	HONEY	3.28	1.80	
24	CHERRY (BERRY)	1.64	1.04	
25	ALMOND	9.84	6.72	*
26	NAIL POLISH REMOVER	3.28	2.64	
27	NUTTY (WALNUT ETC)	2.46	1.10	
28	SPICY	5.74	3.36	
29	CLOVE	2.46	1.10	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.82	0.37	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.82	0.37	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.82	0.52	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.46	1.56	
39	WOODY, RESINOUS	23.77	15.29	***
40	CEDARWOOD	3.28	1.94	
41	MOTHBALLS	9.02	5.30	*
42	MINTY, PEPPERMINT	4.10	2.72	
43	CAMPHOR	6.56	4.27	*
44	EUCALIPTUS	1.64	0.73	
45	CHOCOLATE	2.46	1.10	
46	VANILLA	3.28	1.64	
47	SWEET	23.77	15.67	***
48	MAPLE SYRUP	0.82	0.63	
49	CARAMEL	1.64	0.73	
50	MALTY	0.82	0.37	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	6.56	5.29	*
55	ALCOHOLIC	9.84	7.40	*
56	ETHERISH, ANAESTHETIC	11.48	7.64	*
57	CLEANING FLUID	6.56	4.15	*
58	GASOLINE, SOLVENT	9.02	5.83	*
59	TURPENTINE (PINE OIL)	8.20	4.92	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.82	0.52	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.46	1.10	
64	CRUSHED GRASS	0.82	0.52	
65	HERBAL, GREEN, CUT GRASS	11.48	7.51	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	3.28	1.47	
68	GRAINY (AS GRAIN)	2.46	1.56	
69	YEASTY	2.46	1.10	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.64	0.90	
72	FERMENTED (ROTTEN) FRUIT	0.82	0.37	
73	BEERY	0.00	0.00	
74	SOAPY	4.92	2.84	
75	LEATHER	4.92	2.98	
76	CARDBOARD	4.10	3.17	
77	ROPE	0.00	0.00	
78	WET PAPER	4.10	2.84	
79	WET WOOL, WET DOG	0.82	0.73	
80	DIRTY LINEN	4.92	3.36	
81	STALE	2.46	1.68	
82	MUSTY, EARTHY, MOLDY	16.39	10.62	**
83	RAW POTATO	0.82	0.52	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.82	0.37	
86	PEANUT BUTTER	0.82	0.37	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.56	4.15	*
90	CORK	2.46	1.42	
91	BURNT, SMOKY	10.66	6.99	*
92	FRESH TOBACCO SMOKE	1.64	0.73	
93	INCENSE	6.56	3.88	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.64	1.16	
96	BURNT PAPER	3.28	2.07	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.46	2.11	
99	TAR	4.92	3.24	
100	CREOSOTE	4.92	3.48	
101	DISINFECTANT, CARBOLIC	17.21	11.52	**
102	MEDICINAL	13.11	9.16	**
103	CHEMICAL	23.77	17.98	****
104	BITTER	2.46	1.56	
105	SHARP, PUNGENT, ACID	11.48	7.76	*
106	SOUR, VINEGAR	5.74	3.36	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.64	0.73	
109	URINE	7.38	5.50	*
110	CAT URINE	0.00	0.00	
111	FISHY	2.46	1.42	
112	KIPPERY (SMOKED FISH)	0.82	0.63	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	4.92	3.59	
115	SOOTY	1.64	0.73	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	4.10	2.84	
118	OILY, FATTY	7.38	4.26	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	9.02	6.08	*
121	VARNISH	4.92	3.11	
122	POPCORN	0.82	0.37	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.28	1.80	
128	SWEATY	7.38	4.67	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.64	0.90	
132	GARLIC, ONION	1.64	1.27	
133	METALLIC	3.28	1.94	
134	BLOOD, RAW MEAT	1.64	0.73	
135	ANIMAL	0.82	0.37	
136	SEWER	5.74	4.34	*
137	PUTRID, FOUL, DECAYED	2.46	1.56	
138	FECAL (LIKE MANURE)	1.64	1.04	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	21.31	15.18	***
141	DRY, POWDERY	12.30	7.10	*
142	CHALKY	1.64	1.27	
143	LIGHT	13.93	8.28	**
144	HEAVY	21.31	15.07	***
145	COOL, COOLING	9.84	5.82	*
146	WARM	12.30	8.40	

TABLE 101—Methyl iso-Nicotinate

4-PYRIDINECARBOXYLIC ACID: METHYL ESTER
ISONICOTINIC ACID: METHYL ESTER

CHEM ABSTR. REG. NO. 2459-09-8
C7 H7 N1 O2
MOL. WT. 137.0



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	136
NUMBER WHO DETECTED ODOR.....	132
PERCENT WHO DETECTED ODOR.....	97

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

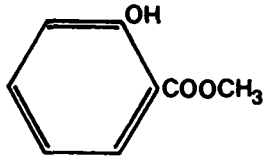
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.52	1.17	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	3.79	2.51	
6	PINEAPPLE	0.76	0.34	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.76	0.34	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.76	0.34	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	7.58	4.67	*
15	ROSE	2.27	1.31	
16	VIOLETS	0.76	0.48	
17	LAVENDER	1.52	0.83	
18	COLOGNE	3.79	2.83	
19	MUSK	2.27	1.44	
20	PERFUMERY	7.58	4.79	*
21	FRAGRANT	25.76	16.29	****
22	AROMATIC	17.42	11.02	**
23	HONEY	0.76	0.48	
24	CHERRY (BERRY)	1.52	0.96	
25	ALMOND	3.79	2.40	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	4.55	2.75	
28	SPICY	6.82	4.43	*
29	CLOVE	1.52	0.83	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.52	0.68	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.76	0.34	
35	GREEN PEPPER	3.03	1.66	
36	DILL	1.52	0.96	
37	CARAWAY	1.52	0.83	
38	OAK WOOD, COGNAC	5.30	2.97	
39	WOODY, RESINOUS	32.58	21.42	*****
40	CEDARWOOD	8.33	4.77	*
41	MOTHBALLS	1.52	0.83	
42	MINTY, PEPPERMINT	7.58	5.36	*
43	CAMPHOR	2.27	1.17	
44	EUCALIPTUS	3.03	1.79	
45	CHOCOLATE	1.52	1.07	
46	VANILLA	0.76	0.34	
47	SWEET	18.18	10.76	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.76	0.34	
50	MALTY	1.52	0.68	
51	RAISINS	0.76	0.34	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.76	0.48	
54	ANISE (LICORICE)	0.76	0.34	
55	ALCOHOLIC	2.27	1.44	
56	ETHERISH, ANAESTHETIC	10.61	6.59	*
57	CLEANING FLUID	0.76	0.59	
58	GASOLINE, SOLVENT	3.03	1.66	
59	TURPENTINE (PINE OIL)	3.03	2.14	
60	GERANIUM LEAVES	2.27	1.02	
61	CELERY	3.03	1.92	
62	FRESH GREEN VEGETABLES	4.55	3.21	

63	CRUSHED WEEDS	3.79	2.40	
64	CRUSHED GRASS	3.79	2.51	
65	HERBAL, GREEN, CUT GRASS	15.91	10.87	**
66	RAW CUCUMBER	1.52	1.27	
67	HAY	3.79	2.14	
68	GRAINY (AS GRAIN)	2.27	1.31	
69	YEASTY	0.76	0.34	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.76	0.34	
72	FERMENTED (ROTTEN) FRUIT	0.76	0.48	
73	BEERY	0.00	0.00	
74	SOAPY	1.52	0.96	
75	LEATHER	1.52	0.68	
76	CARDBOARD	6.06	4.18	*
77	ROPE	1.52	0.68	
78	WET PAPER	3.79	2.62	
79	WET WOOL, WET DOG	1.52	0.68	
80	DIRTY LINEN	2.27	1.44	
81	STALE	9.85	6.69	*
82	MUSTY, EARTHY, MOLDY	27.27	19.28	****
83	RAW POTATO	0.76	0.34	
84	MOUSE	1.52	0.83	
85	MUSHROOM	1.52	0.68	
86	PEANUT BUTTER	1.52	0.83	
87	BEANY	1.52	0.96	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.06	4.18	*
90	CORK	6.06	3.59	
91	BURNT, SMOKY	15.91	10.76	**
92	FRESH TOBACCO SMOKE	3.79	2.14	
93	INCENSE	2.27	1.17	
94	COFFEE	1.52	0.83	
95	STALE TOBACCO SMOKE	5.30	4.01	*
96	BURNT PAPER	2.27	1.44	
97	BURNT MILK	0.76	0.48	
98	BURNT RUBBER	0.76	0.48	
99	TAR	3.03	1.66	
100	CREOSOTE	4.55	2.99	
101	DISINFECTANT, CARBOLIC	6.82	3.66	
102	MEDICINAL	10.61	5.95	*
103	CHEMICAL	6.06	4.60	*
104	BITTER	1.52	0.83	
105	SHARP, PUNGENT, ACID	7.58	4.29	*
106	SOUR, VINEGAR	6.06	4.29	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.52	0.68	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.76	0.76	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	4.55	3.11	
116	BURNT CANDLE	1.52	0.68	
117	KEROSENE	1.52	0.96	
118	OILY, FATTY	6.82	3.52	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	4.55	2.62	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.76	0.76	
124	MEATY (COOKED, GOOD)	0.76	0.34	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	3.03	2.03	
127	RANCID	4.55	2.49	
128	SWEATY	5.30	3.47	
129	CHEESY	1.52	0.83	
130	HOUSEHOLD GAS	1.52	0.83	
131	SULFIDIC	4.55	2.35	
132	GARLIC, ONION	1.52	0.83	
133	METALLIC	2.27	1.17	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.76	0.34	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	4.55	2.75	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	6.06	3.32	
141	DRY, POWDERY	12.12	7.78	*
142	CHALKY	4.55	3.52	
143	LIGHT	27.27	21.22	*****
144	HEAVY	12.88	9.05	**
145	COOL, COOLING	14.39	9.46	**
146	WARM	11.36	7.19	

TABLE 102—Methyl Salicylate

BENZOIC ACID, 2-HYDROXY: METHYL ESTER
SALICYLATE, METHYL
SALICYLIC ACID: METHYL ESTER

CHEM ABSTR. REG. NO. 119-36-8
C8 H8 O3
MOL. WT. 152.0



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 150
NUMBER WHO DETECTED ODOR..... 150
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.67	0.42	
2	LEMON	2.00	1.03	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.67	0.42	
5	FRUITY, OTHER THAN CITRUS	10.00	7.02	*
6	PINEAPPLE	0.67	0.30	
7	GRAPE JUICE	0.67	0.42	
8	STRAWBERRY	2.00	1.55	
9	APPLE (FRUIT)	0.67	0.42	
10	PEAR	0.67	0.30	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	2.67	1.33	
14	FLORAL	13.33	8.00	*
15	ROSE	2.67	1.69	
16	VIOLETS	2.00	1.26	
17	LAVENDER	4.00	1.93	
18	COLOGNE	3.33	1.76	
19	MUSK	1.33	0.73	
20	PERFUMERY	22.67	14.54	***
21	FRAGRANT	64.00	49.92	**********
22	AROMATIC	56.67	45.25	**********
23	HONEY	2.00	1.37	
24	CHERRY (BERRY)	2.67	1.79	
25	ALMOND	8.00	4.38	*
26	NAIL POLISH REMOVER	4.00	2.31	
27	NUTTY (WALNUT ETC)	0.67	0.30	
28	SPICY	32.00	20.86	*****
29	CLOVE	15.33	9.80	**
30	CINNAMON	14.67	9.59	**
31	LAUREL LEAVES	2.00	1.26	
32	TEA LEAVES	4.00	2.53	
33	SEASONING (FOR MEAT)	1.33	0.73	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.67	0.52	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	6.67	3.77	
40	CEDARWOOD	4.67	2.62	
41	MOTHBALLS	7.33	4.20	*
42	MINTY, PEPPERMINT	77.33	65.57	**********
43	CAMPHOR	20.67	13.99	***
44	EUCALIPTUS	18.00	12.77	***
45	CHOCOLATE	0.67	0.42	
46	VANILLA	8.00	5.06	*
47	SWEET	46.00	35.20	********
48	MAPLE SYRUP	0.67	0.30	
49	CARAMEL	1.33	0.73	
50	MALTY	0.67	0.60	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	1.33	0.73	
54	ANISE (LICORICE)	21.33	12.95	***
55	ALCOHOLIC	5.33	3.04	
56	ETHERISH, ANAESTHETIC	15.33	9.80	**
57	CLEANING FLUID	2.67	1.58	
58	GASOLINE, SOLVENT	1.33	0.60	
59	TURPENTINE (PINE OIL)	5.33	3.04	
60	GERANIUM LEAVES	1.33	0.60	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

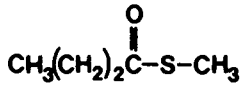
63	CRUSHED WEEDS	2.00	1.03	
64	CRUSHED GRASS	2.00	1.15	
65	HERBAL, GREEN, CUT GRASS	21.33	13.91	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.67	0.42	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.67	0.30	
73	BEERY	0.00	0.00	
74	SOAPY	2.00	1.03	
75	LEATHER	1.33	0.73	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	1.33	0.60	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	8.00	6.45	*
90	CORK	0.00	0.00	
91	BURNT, SMOKY	2.00	1.26	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	9.33	5.58	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.67	1.33	
100	CREOSOTE	0.67	0.30	
101	DISINFECTANT, CARBOLIC	8.00	4.50	*
102	MEDICINAL	36.67	25.11	******
103	CHEMICAL	10.00	6.22	*
104	BITTER	1.33	0.60	
105	SHARP, PUNGENT, ACID	8.67	5.37	*
106	SOUR, VINEGAR	0.67	0.42	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	6.67	3.65	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.00	1.26	
121	VARNISH	1.33	0.73	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.67	0.42	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	0.00	0.00	
129	CHEESY	0.67	0.52	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.67	0.30	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.00	0.00	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	1.33	0.73	
141	DRY, POWDERY	6.67	4.22	*
142	CHALKY	1.33	1.12	
143	LIGHT	34.00	24.46	******
144	HEAVY	18.67	14.20	***
145	COOL, COOLING	53.33	41.65	**********
146	WARM	14.67	10.92	**

TABLE 103—Methyl Thiobutyrate

BUTANETHIOIC ACID: S-METHYL ESTER
BUTYRIC ACID, THIO-: S-METHYL ESTER

CHEM. ABSTR. REG. NO. 2432-51-1
C5 H10 O1 S1
MOL. WT. 118.0

CONCENTRATION, G/LITER..... 5
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

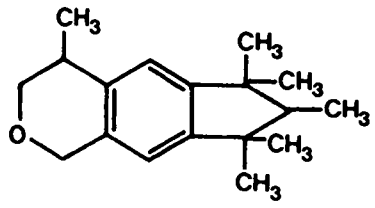
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	1.43	0.78	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.71	0.45	
6	PINEAPPLE	0.71	0.32	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.71	0.32	
15	ROSE	0.71	0.32	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	1.43	1.01	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	4.29	3.50	
22	AROMATIC	7.86	5.90	*
23	HONEY	0.71	0.45	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.71	0.32	
28	SPICY	0.71	0.64	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.43	0.90	
33	SEASONING (FOR MEAT)	0.71	0.32	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.43	1.01	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	2.14	1.56	
40	CEDARWOOD	0.71	0.32	
41	MOTHBALLS	2.14	0.96	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.71	0.32	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	5.00	3.78	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.86	1.69	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.71	0.55	
56	ETHERISH, ANAESTHETIC	3.57	2.02	
57	CLEANING FLUID	0.71	0.32	
58	GASOLINE, SOLVENT	1.43	0.78	
59	TURPENTINE (PINE OIL)	2.86	1.69	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.71	0.32	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	2.14	1.24	
65	HERBAL, GREEN, CUT GRASS	0.71	0.32	
66	RAW CUCUMBER	0.71	0.45	
67	HAY	2.14	1.24	
68	GRAINY (AS GRAIN)	2.86	1.43	
69	YEASTY	10.00	6.65	*
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	32.14	27.44	******
72	FERMENTED (ROTTEN) FRUIT	12.14	7.57	*
73	BEERY	0.00	0.00	
74	SOAPY	1.43	0.64	
75	LEATHER	0.71	0.32	
76	CARDBOARD	3.57	2.47	
77	ROPE	0.71	0.32	
78	WET PAPER	3.57	2.47	
79	WET WOOL, WET DOG	6.43	3.83	
80	DIRTY LINEN	12.86	8.78	**
81	STALE	13.57	8.70	**
82	MUSTY, EARTHY, MOLDY	20.00	15.68	***
83	RAW POTATO	2.14	1.11	
84	MOUSE	5.71	3.38	
85	MUSHROOM	0.71	0.32	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.71	0.32	
88	EGGY (FRESH EGGS)	0.71	0.32	
89	BARK, BIRCH BARK	0.71	0.32	
90	CORK	1.43	0.90	
91	BURNT, SMOKY	5.71	3.13	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.71	0.45	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.14	0.96	
96	BURNT PAPER	0.71	0.32	
97	BURNT MILK	3.57	2.67	
98	BURNT RUBBER	0.71	0.45	
99	TAR	0.71	0.32	
100	CREOSOTE	1.43	0.90	
101	DISINFECTANT, CARBOLIC	3.57	2.77	
102	MEDICINAL	1.43	0.90	
103	CHEMICAL	8.57	6.36	*
104	BITTER	5.00	3.87	
105	SHARP, PUNGENT, ACID	30.00	23.05	*****
106	SOUR, VINEGAR	35.00	25.79	******
107	SAUERKRAUT	7.14	4.29	*
108	AMMONIA	5.71	3.61	
109	URINE	9.29	6.81	*
110	CAT URINE	8.57	5.86	*
111	FISHY	5.00	3.05	
112	KIPPERY (SMOKED FISH)	0.71	0.32	
113	SEMINAL, SPERM-LIKE	0.71	0.71	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.71	0.45	
116	BURNT CANDLE	1.43	0.64	
117	KEROSENE	0.71	0.32	
118	OILY, FATTY	11.43	7.56	*
119	BUTTERY, FRESH BUTTER	0.71	0.32	
120	PAINT	0.71	0.32	
121	VARNISH	1.43	0.90	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.86	1.69	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	3.57	2.58	
127	RANCID	47.14	37.52	*********
128	SWEATY	28.57	19.59	****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	6.43	4.69	*
131	SULFIDIC	17.86	12.98	***
132	GARLIC, ONION	4.29	3.32	
133	METALLIC	2.86	1.69	
134	BLOOD, RAW MEAT	12.14	6.84	*
135	ANIMAL	13.57	9.44	**
136	SEWER	29.29	22.68	*****
137	PUTRID, FOUL, DECAYED	62.86	53.44	**********
138	FECAL (LIKE MANURE)	30.71	23.42	*****
139	CADAVEROUS (DEAD ANIMAL)	29.29	23.23	*****
140	SICKENING	81.43	69.48	**********
141	DRY, POWDERY	0.71	0.64	
142	CHALKY	0.00	0.00	
143	LIGHT	1.43	1.01	
144	HEAVY	33.57	27.35	******
145	COOL, COOLING	1.43	0.90	
146	WARM	10.71	8.02	**

TABLE 104—Musk Galaxolide

CYCLOPENTA(G)-2-BENZOPYRAN, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL
GALAXOLIDE

CHEM. ABSTR. REG. NO. 1222-05-5
C18 H26 O1
MOL. WT. 258.2



CONCENTRATION, G/LITER..... 3
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 131
PERCENT WHO DETECTED ODOR..... 94

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

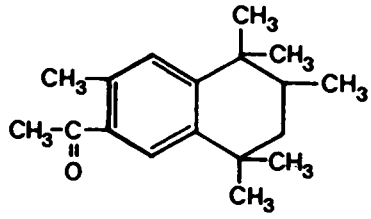
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.29	1.32	
2	LEMON	1.53	0.84	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.76	0.34	
5	FRUITY, OTHER THAN CITRUS	6.87	5.02	*
6	PINEAPPLE	2.29	1.02	
7	GRAPE JUICE	1.53	0.84	
8	STRAWBERRY	2.29	1.18	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.05	1.67	
11	CANTALOUPE, HONEY DEW MELON	1.53	0.84	
12	PEACH (FRUIT)	0.76	0.34	
13	BANANA	2.29	1.18	
14	FLORAL	45.80	34.48	********
15	ROSE	14.50	9.53	**
16	VIOLETS	12.21	6.69	*
17	LAVENDER	11.45	6.74	*
18	COLOGNE	29.77	22.86	*****
19	MUSK	30.53	26.27	******
20	PERFUMERY	59.54	48.05	**********
21	FRAGRANT	68.70	54.00	**********
22	AROMATIC	39.69	29.75	*******
23	HONEY	0.76	0.34	
24	CHERRY (BERRY)	1.53	1.08	
25	ALMOND	2.29	1.45	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	6.87	4.58	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.76	0.48	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.53	0.68	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.53	0.97	
39	WOODY, RESINOUS	18.32	10.31	**
40	CEDARWOOD	2.29	1.18	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	3.82	2.02	
43	CAMPHOR	0.76	0.48	
44	EUCALIPTUS	1.53	0.68	
45	CHOCOLATE	0.76	0.34	
46	VANILLA	4.58	2.51	
47	SWEET	41.98	29.09	*******
48	MAPLE SYRUP	2.29	1.18	
49	CARAMEL	2.29	1.32	
50	MALTY	0.76	0.48	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.29	1.18	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.53	0.84	
56	ETHERISH, ANAESTHETIC	6.11	3.74	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	1.53	0.68	
59	TURPENTINE (PINE OIL)	0.76	0.34	
60	GERANIUM LEAVES	1.53	0.68	
61	CELERY	0.76	0.34	
62	FRESH GREEN VEGETABLES	0.76	0.48	

63	CRUSHED WEEDS	1.53	0.84	
64	CRUSHED GRASS	2.29	1.45	
65	HERBAL, GREEN, CUT GRASS	12.21	8.08	**
66	RAW CUCUMBER	1.53	0.68	
67	HAY	0.76	0.34	
68	GRAINY (AS GRAIN)	0.76	0.48	
69	YEASTY	2.29	1.18	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	12.21	8.42	**
75	LEATHER	0.76	0.59	
76	CARDBOARD	2.29	1.45	
77	ROPE	0.76	0.48	
78	WET PAPER	1.53	1.18	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.76	0.48	
81	STALE	2.29	1.02	
82	MUSTY, EARTHY, MOLDY	8.40	4.67	*
83	RAW POTATO	2.29	1.32	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.76	0.34	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.82	2.41	
90	CORK	0.76	0.59	
91	BURNT, SMOKY	3.05	1.67	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	11.45	8.57	**
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.76	0.48	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	0.76	0.59	
102	MEDICINAL	2.29	1.02	
103	CHEMICAL	3.82	2.02	
104	BITTER	1.53	0.68	
105	SHARP, PUNGENT, ACID	2.29	1.45	
106	SOUR, VINEGAR	2.29	1.02	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.76	0.48	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.76	0.48	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.76	0.59	
116	BURNT CANDLE	0.76	0.68	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	5.34	3.13	
119	BUTTERY, FRESH BUTTER	0.76	0.34	
120	PAINT	2.29	1.87	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.53	0.84	
127	RANCID	0.00	0.00	
128	SWEATY	6.87	3.83	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.53	0.68	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	3.82	2.53	
136	SEWER	0.76	0.34	
137	PUTRID, FOUL, DECAYED	0.76	0.76	
138	FECAL (LIKE MANURE)	0.76	0.34	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.82	3.15	
141	DRY, POWDERY	9.16	5.42	*
142	CHALKY	2.29	1.18	
143	LIGHT	40.46	29.30	*******
144	HEAVY	12.98	9.55	**
145	COOL, COOLING	10.69	7.66	*
146	WARM	14.50	10.52	**

TABLE 105—Musk Tonalid

ETHANONE 1-(1,2,3,4-TETRAHYDRO-1,1,2,4,4,7-HEXAMETHYL NAPHTHALEN-6-YL)
2'-ACETONAPHTHONE,5',6',7',8'-TETRAHYDRO-3',5',5',6',8',8'-HEXAMETHYL
NAPHTHALENE, 6-ACETYL-1,2,3,4-TETRAHYDRO-1,1,2,4,4,7-HEXAMETHYL
ETHANONE, 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHALENYL)-
FIXALIDE C
VERSALIDE ISOMER
MUSK 200
VERITONE

CHEM. ABSTR. REG. NO. 1508-02-1
C18 H26 O1
MOL. WT. 258.2



CONCENTRATION, G/LITER.....	5
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	127
PERCENT WHO DETECTED ODOR.....	91

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

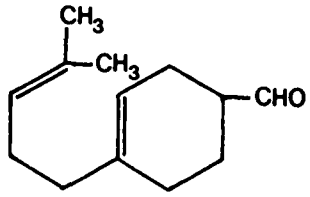
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.57	3.15	
2	LEMON	0.35	0.79	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.70	1.57	
5	FRUITY, OTHER THAN CITRUS	2.73	4.72	
6	PINEAPPLE	0.70	1.57	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.61	0.79	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.22	2.36	
11	CANTALOUPE, HONEY DEW MELON	1.00	1.57	
12	PEACH (FRUIT)	1.57	3.15	
13	BANANA	0.00	0.00	
14	FLORAL	22.27	31.50	*****
15	ROSE	7.83	11.81	*
16	VIOLETS	1.06	2.36	
17	LAVENDER	7.95	11.81	*
18	COLOGNE	16.02	23.62	****
19	MUSK	31.48	37.01	*******
20	PERFUMERY	41.57	52.76	**********
21	FRAGRANT	53.27	68.50	**********
22	AROMATIC	33.23	41.73	*******
23	HONEY	2.36	3.94	
24	CHERRY (BERRY)	1.22	2.36	
25	ALMOND	2.23	3.94	
26	NAIL POLISH REMOVER	0.70	1.57	
27	NUTTY (WALNUT ETC)	1.49	2.36	
28	SPICY	5.22	7.87	*
29	CLOVE	0.35	0.79	
30	CINNAMON	1.22	2.36	
31	LAUREL LEAVES	1.49	2.36	
32	TEA LEAVES	0.70	1.57	
33	SEASONING (FOR MEAT)	0.50	0.79	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	1.49	2.36	
38	OAK WOOD, COGNAC	1.36	2.36	
39	WOODY, RESINOUS	10.31	17.32	**
40	CEDARWOOD	4.59	7.87	*
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	1.76	3.94	
43	CAMPHOR	2.73	3.94	
44	EUCALIPTUS	1.36	2.36	
45	CHOCOLATE	1.22	2.36	
46	VANILLA	1.86	3.15	
47	SWEET	30.62	42.52	*******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.86	1.57	
50	MALTY	1.36	2.36	
51	RAISINS	0.00	0.00	
52	MOLASSES	1.06	2.36	
53	COCONUT	1.57	3.15	
54	ANISE (LICORICE)	0.35	0.79	
55	ALCOHOLIC	0.86	1.57	
56	ETHERISH, ANAESTHETIC	1.73	3.15	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.61	0.79	
59	TURPENTINE (PINE OIL)	2.23	3.15	
60	GERANIUM LEAVES	1.36	2.36	
61	CELERY	0.86	1.57	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.31	7.87	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.50	0.79	
68	GRAINY (AS GRAIN)	1.99	3.15	
69	YEASTY	0.70	1.57	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	8.23	11.02	**
75	LEATHER	0.86	1.57	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.35	0.79	
78	WET PAPER	1.61	2.36	
79	WET WOOL, WET DOG	0.35	0.79	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.23	3.94	
82	MUSTY, EARTHY, MOLDY	6.45	11.02	*
83	RAW POTATO	1.22	1.57	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.22	2.36	
90	CORK	1.36	2.36	
91	BURNT, SMOKY	2.23	3.94	
92	FRESH TOBACCO SMOKE	0.50	0.79	
93	INCENSE	8.52	11.81	**
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.61	0.79	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.35	0.79	
100	CREOSOTE	0.35	0.79	
101	DISINFECTANT, CARBOLIC	1.61	2.36	
102	MEDICINAL	1.00	1.57	
103	CHEMICAL	1.61	2.36	
104	BITTER	0.50	0.79	
105	SHARP, PUNGENT, ACID	2.59	4.72	
106	SOUR, VINEGAR	0.86	1.57	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	1.00	1.57	
111	FISHY	0.70	1.57	
112	KIPPERY (SMOKED FISH)	0.35	0.79	
113	SEMINAL, SPERM-LIKE	0.70	0.79	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.35	0.79	
116	BURNT CANDLE	0.35	0.79	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	5.48	8.66	*
119	BUTTERY, FRESH BUTTER	1.99	3.15	
120	PAINT	1.36	2.36	
121	VARNISH	0.70	1.57	
122	POPCORN	1.61	2.36	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.61	2.36	
128	SWEATY	3.95	7.09	
129	CHEESY	1.49	2.36	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.35	0.79	
133	METALLIC	1.86	3.15	
134	BLOOD, RAW MEAT	0.70	0.79	
135	ANIMAL	5.07	7.09	*
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.00	1.57	
138	FECAL (LIKE MANURE)	0.50	0.79	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.99	4.72	
141	DRY, POWDERY	8.95	13.39	**
142	CHALKY	0.50	0.79	
143	LIGHT	21.98	32.28	*****
144	HEAVY	13.21	16.54	***
145	COOL, COOLING	6.22	9.45	*
146	WARM	15.13	20.47	***

TABLE 106—Myracaldehyde

3-CYCLOHEXENE-1-CARBOXALDEHYDE, 4-(4-METHYL-3-PENTENYL)
EMPETAL

CHEM. ABSTR. REG. NO. 37677-14-8
C13 H20 O1
MOL. WT. 192.2



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 136
PERCENT WHO DETECTED ODOR..... 97

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	33.82	24.73	******
2	LEMON	30.15	22.28	*****
3	GRAPEFRUIT	5.88	2.94	
4	ORANGE	15.44	10.66	**
5	FRUITY, OTHER THAN CITRUS	25.00	16.72	****
6	PINEAPPLE	6.62	3.27	
7	GRAPE JUICE	4.41	2.42	
8	STRAWBERRY	4.41	2.79	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.94	1.86	
11	CANTALOUPE, HONEY DEW MELON	8.09	5.87	*
12	PEACH (FRUIT)	8.09	4.75	*
13	BANANA	0.00	0.00	
14	FLORAL	35.29	26.17	******
15	ROSE	13.24	8.37	**
16	VIOLETS	5.15	2.89	
17	LAVENDER	8.09	5.34	*
18	COLOGNE	17.65	11.16	**
19	MUSK	3.68	2.21	
20	PERFUMERY	38.24	27.04	******
21	FRAGRANT	66.91	46.74	**********
22	AROMATIC	31.62	22.82	*****
23	HONEY	1.47	0.66	
24	CHERRY (BERRY)	5.15	2.89	
25	ALMOND	1.47	0.81	
26	NAIL POLISH REMOVER	2.21	1.40	
27	NUTTY (WALNUT ETC)	0.74	0.33	
28	SPICY	8.09	4.63	*
29	CLOVE	1.47	0.93	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	2.21	0.99	
32	TEA LEAVES	0.74	0.33	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.74	0.33	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.21	1.40	
39	WOODY, RESINOUS	13.97	8.72	**
40	CEDARWOOD	3.68	1.80	
41	MOTHBALLS	2.21	0.99	
42	MINTY, PEPPERMINT	3.68	1.64	
43	CAMPHOR	1.47	0.66	
44	EUCALIPTUS	1.47	0.66	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.74	0.33	
47	SWEET	50.00	34.62	********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.74	0.33	
50	MALTY	0.74	0.33	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.74	0.33	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.68	2.33	
56	ETHERISH, ANAESTHETIC	5.15	2.75	
57	CLEANING FLUID	0.74	0.47	
58	GASOLINE, SOLVENT	0.74	0.33	
59	TURPENTINE (PINE OIL)	3.68	2.75	
60	GERANIUM LEAVES	2.21	1.27	
61	CELERY	0.74	0.33	
62	FRESH GREEN VEGETABLES	1.47	0.66	

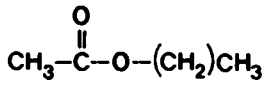
63	CRUSHED WEEDS	2.21	1.27	
64	CRUSHED GRASS	2.21	1.61	
65	HERBAL, GREEN, CUT GRASS	32.35	20.11	*****
66	RAW CUCUMBER	1.47	0.66	
67	HAY	0.74	0.33	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.74	0.47	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.47	0.93	
73	BEERY	0.00	0.00	
74	SOAPY	21.32	15.34	***
75	LEATHER	1.47	1.04	
76	CARDBOARD	1.47	1.04	
77	ROPE	0.74	0.57	
78	WET PAPER	0.74	0.33	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.74	0.33	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	3.68	2.94	
83	RAW POTATO	0.74	0.33	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.74	0.47	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.74	0.33	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	2.21	1.40	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.88	4.16	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.74	0.33	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	5.15	3.59	
102	MEDICINAL	2.94	1.74	
103	CHEMICAL	4.41	3.42	
104	BITTER	0.74	0.47	
105	SHARP, PUNGENT, ACID	2.94	1.74	
106	SOUR, VINEGAR	6.62	3.69	
107	SAUERKRAUT	0.74	0.57	
108	AMMONIA	0.74	0.33	
109	URINE	0.74	0.66	
110	CAT URINE	0.00	0.00	
111	FISHY	0.74	0.47	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.74	0.33	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.74	0.47	
118	OILY, FATTY	11.03	7.20	*
119	BUTTERY, FRESH BUTTER	2.94	1.86	
120	PAINT	1.47	0.66	
121	VARNISH	0.74	0.47	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.74	0.33	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.74	0.47	
127	RANCID	2.94	1.74	
128	SWEATY	1.47	1.23	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.74	0.33	
133	METALLIC	4.41	3.01	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.74	0.33	
137	PUTRID, FOUL, DECAYED	0.74	0.57	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.21	1.27	
141	DRY, POWDERY	7.35	4.16	*
142	CHALKY	1.47	0.66	
143	LIGHT	46.32	34.82	********
144	HEAVY	8.09	6.07	*
145	COOL, COOLING	19.85	14.09	***
146	WARM	7.35	4.88	*

TABLE 107—Nonyl Acetate

1-NONALOL: ACETATE
NONYL ALCOHOL: ACETATE
NONANYL ACETATE

CHEM. ABSTR. REG. NO. 143-13-5
C11 H22 O2
MOL. WT. 186.2

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 126
PERCENT WHO DETECTED ODOR..... 98



P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

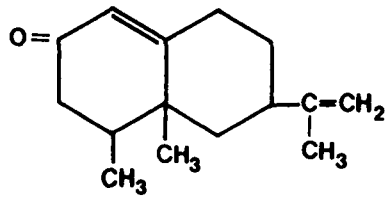
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.56	3.87	
2	LEMON	5.56	3.11	
3	GRAPEFRUIT	1.59	0.87	
4	ORANGE	3.17	2.35	
5	FRUITY, OTHER THAN CITRUS	10.32	8.49	**
6	PINEAPPLE	4.76	3.25	
7	GRAPE JUICE	0.79	0.50	
8	STRAWBERRY	3.17	2.24	
9	APPLE (FRUIT)	0.79	0.35	
10	PEAR	4.76	4.08	*
11	CANTALOUPE, HONEY DEW MELON	3.97	3.07	
12	PEACH (FRUIT)	4.76	2.46	
13	BANANA	0.79	0.61	
14	FLORAL	9.52	6.27	*
15	ROSE	1.59	0.71	
16	VIOLETS	0.79	0.61	
17	LAVENDER	1.59	1.00	
18	COLOGNE	2.38	1.06	
19	MUSK	5.56	4.20	*
20	PERFUMERY	11.11	7.86	*
21	FRAGRANT	26.19	18.01	****
22	AROMATIC	19.84	13.97	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.38	1.23	
26	NAIL POLISH REMOVER	1.59	0.87	
27	NUTTY (WALNUT ETC)	1.59	1.00	
28	SPICY	5.56	3.51	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.79	0.35	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.79	0.35	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.79	0.61	
37	CARAWAY	0.79	0.50	
38	OAK WOOD, COGNAC	2.38	1.37	
39	WOODY, RESINOUS	12.70	7.51	*
40	CEDARWOOD	3.97	2.24	
41	MOTHBALLS	2.38	1.37	
42	MINTY, PEPPERMINT	1.59	1.00	
43	CAMPHOR	2.38	1.51	
44	EUCALIPTUS	0.79	0.50	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.79	0.35	
47	SWEET	20.63	13.18	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.79	0.35	
52	MOLASSES	0.00	0.00	
53	COCONUT	1.59	0.87	
54	ANISE (LICORICE)	1.59	1.33	
55	ALCOHOLIC	1.59	1.12	
56	ETHERISH, ANAESTHETIC	13.49	8.53	**
57	CLEANING FLUID	5.56	3.87	
58	GASOLINE, SOLVENT	5.56	3.51	
59	TURPENTINE (PINE OIL)	1.59	0.71	
60	GERANIUM LEAVES	2.38	1.84	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.59	1.23	

63	CRUSHED WEEDS	1.59	1.00	
64	CRUSHED GRASS	3.97	2.38	
65	HERBAL, GREEN, CUT GRASS	15.87	9.91	**
66	RAW CUCUMBER	0.79	0.50	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.79	0.50	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.79	0.50	
73	BEERY	0.79	0.50	
74	SOAPY	27.78	22.62	*****
75	LEATHER	1.59	0.87	
76	CARDBOARD	0.79	0.50	
77	ROPE	0.00	0.00	
78	WET PAPER	1.59	1.00	
79	WET WOOL, WET DOG	4.76	2.88	
80	DIRTY LINEN	2.38	1.23	
81	STALE	5.56	3.87	
82	MUSTY, EARTHY, MOLDY	13.49	8.78	**
83	RAW POTATO	2.38	1.37	
84	MOUSE	0.00	0.00	
85	MUSHROOM	3.97	3.64	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.17	2.13	
90	CORK	2.38	1.37	
91	BURNT, SMOKY	4.76	3.13	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.79	0.35	
96	BURNT PAPER	0.79	0.50	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.79	0.50	
99	TAR	0.79	0.50	
100	CREOSOTE	3.97	2.63	
101	DISINFECTANT, CARBOLIC	15.08	8.75	**
102	MEDICINAL	8.73	6.34	*
103	CHEMICAL	21.43	15.32	***
104	BITTER	3.17	2.01	
105	SHARP, PUNGENT, ACID	19.84	14.42	***
106	SOUR, VINEGAR	13.49	8.78	**
107	SAUERKRAUT	1.59	0.71	
108	AMMONIA	3.97	2.38	
109	URINE	0.79	0.50	
110	CAT URINE	1.59	0.87	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	1.59	0.71	
114	NEW RUBBER	2.38	1.51	
115	SOOTY	1.59	1.00	
116	BURNT CANDLE	4.76	2.75	
117	KEROSENE	2.38	1.51	
118	OILY, FATTY	11.11	7.86	*
119	BUTTERY, FRESH BUTTER	0.79	0.35	
120	PAINT	4.76	3.01	
121	VARNISH	4.76	2.88	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.79	0.35	
125	SOUPY	0.79	0.35	
126	COOKED VEGETABLES	0.79	0.35	
127	RANCID	7.94	4.89	*
128	SWEATY	11.90	7.78	*
129	CHEESY	0.79	0.50	
130	HOUSEHOLD GAS	1.59	0.87	
131	SULFIDIC	3.17	1.59	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	16.67	11.27	**
134	BLOOD, RAW MEAT	1.59	0.87	
135	ANIMAL	1.59	1.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	6.35	3.89	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	11.11	7.97	*
141	DRY, POWDERY	9.52	5.90	*
142	CHALKY	0.79	0.35	
143	LIGHT	22.22	14.55	***
144	HEAVY	11.90	8.36	**
145	COOL, COOLING	11.90	8.25	**
146	WARM	7.94	5.72	

TABLE 108—Nootkatone

2(3H)-NAPHTHALENONE, 4,4A,5,6,7,8-HEXAHYDRO-4,4A-DIMETHYL-6-(1-METHYL ETHENYL)
2(3H)-NAPHTHALENONE, 4,4A,5,6,7,8-HEXAHYDRO-6-ISOPROPENYL-4,4A-DIMETHYL

CHEM. ABSTR. REG. NO. 4674-50-4
C15 H22 O1
MOL. WT. 218.2



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 124
NUMBER WHO DETECTED ODOR..... 124
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	10.48	8.02	**
2	LEMON	8.06	5.59	*
3	GRAPEFRUIT	8.87	7.37	*
4	ORANGE	4.03	2.42	
5	FRUITY, OTHER THAN CITRUS	1.61	1.14	
6	PINEAPPLE	0.81	0.62	
7	GRAPE JUICE	0.81	0.51	
8	STRAWBERRY	0.81	0.51	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.61	1.25	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	4.03	3.02	
15	ROSE	0.00	0.00	
16	VIOLETS	0.81	0.36	
17	LAVENDER	1.61	0.72	
18	COLOGNE	0.81	0.81	
19	MUSK	6.45	4.33	*
20	PERFUMERY	4.03	2.67	
21	FRAGRANT	27.42	19.73	****
22	AROMATIC	20.97	14.48	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.84	2.65	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.61	0.72	
28	SPICY	26.61	19.98	****
29	CLOVE	0.81	0.36	
30	CINNAMON	2.42	1.08	
31	LAUREL LEAVES	3.23	1.61	
32	TEA LEAVES	0.81	0.81	
33	SEASONING (FOR MEAT)	4.03	2.79	
34	BLACK PEPPER	16.13	14.61	***
35	GREEN PEPPER	1.61	1.25	
36	DILL	3.23	2.50	
37	CARAWAY	1.61	0.72	
38	OAK WOOD, COGNAC	5.65	3.31	
39	WOODY, RESINOUS	45.97	34.66	********
40	CEDARWOOD	32.26	25.09	******
41	MOTHBALLS	4.84	2.79	
42	MINTY, PEPPERMINT	5.65	3.31	
43	CAMPHOR	8.06	4.84	*
44	EUCALIPTUS	5.65	3.02	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	9.68	5.59	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.81	0.36	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.81	0.36	
56	ETHERISH, ANAESTHETIC	7.26	4.19	*
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	1.61	0.72	
59	TURPENTINE (PINE OIL)	17.74	12.43	***
60	GERANIUM LEAVES	3.23	1.77	
61	CELERY	1.61	1.02	
62	FRESH GREEN VEGETABLES	4.84	2.93	

63	CRUSHED WEEDS	6.45	4.56	*
64	CRUSHED GRASS	0.81	0.51	
65	HERBAL, GREEN, CUT GRASS	23.39	15.66	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.42	1.98	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.81	0.62	
73	BEERY	0.00	0.00	
74	SOAPY	2.42	1.40	
75	LEATHER	1.61	0.88	
76	CARDBOARD	4.84	2.93	
77	ROPE	4.84	3.31	
78	WET PAPER	0.81	0.36	
79	WET WOOL, WET DOG	3.23	2.16	
80	DIRTY LINEN	0.00	0.00	
81	STALE	4.84	2.79	
82	MUSTY, EARTHY, MOLDY	20.16	13.97	***
83	RAW POTATO	0.81	0.51	
84	MOUSE	0.81	0.51	
85	MUSHROOM	0.81	0.36	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	12.90	9.35	**
90	CORK	4.03	2.42	
91	BURNT, SMOKY	10.48	5.96	*
92	FRESH TOBACCO SMOKE	0.81	0.36	
93	INCENSE	8.06	5.93	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.81	0.36	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.61	1.14	
100	CREOSOTE	4.84	2.79	
101	DISINFECTANT, CARBOLIC	6.45	3.95	
102	MEDICINAL	2.42	1.77	
103	CHEMICAL	11.29	7.98	*
104	BITTER	1.61	1.25	
105	SHARP, PUNGENT, ACID	21.77	14.52	***
106	SOUR, VINEGAR	9.68	5.99	*
107	SAUERKRAUT	0.81	0.36	
108	AMMONIA	0.81	0.36	
109	URINE	0.81	0.72	
110	CAT URINE	0.81	0.36	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	3.23	1.91	
116	BURNT CANDLE	1.61	1.25	
117	KEROSENE	2.42	1.25	
118	OILY, FATTY	4.84	2.65	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	8.06	5.23	*
121	VARNISH	5.65	3.70	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.61	0.88	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.23	2.28	
128	SWEATY	4.84	2.79	
129	CHEESY	1.61	0.72	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	4.03	2.67	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	4.03	2.67	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.81	0.51	
136	SEWER	1.61	1.14	
137	PUTRID, FOUL, DECAYED	1.61	1.25	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.81	0.51	
140	SICKENING	7.26	5.30	*
141	DRY, POWDERY	10.48	6.76	*
142	CHALKY	0.00	0.00	
143	LIGHT	9.68	5.99	*
144	HEAVY	22.58	16.19	****
145	COOL, COOLING	7.26	5.07	*
146	WARM	8.06	5.23	

TABLE 109—Octanol: 1-Octanol

OCTYL ALCOHOL
CAPRYL ALCOHOL

CHEM. ABSTR. REG. NO. 111-87-5
C8 H18 O1
MOL. WT. 130.1

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

$CH_3(CH_2)_6CH_2OH$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

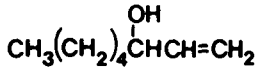
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	7.86	5.80	*
2	LEMON	8.57	5.31	*
3	GRAPEFRUIT	0.71	0.32	
4	ORANGE	2.14	1.36	
5	FRUITY, OTHER THAN CITRUS	1.43	0.78	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.71	0.55	
10	PEAR	1.43	0.78	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.71	0.55	
13	BANANA	0.71	0.32	
14	FLORAL	7.86	4.86	*
15	ROSE	4.29	2.71	
16	VIOLETS	2.14	1.11	
17	LAVENDER	4.29	2.47	
18	COLOGNE	1.43	0.78	
19	MUSK	6.43	3.59	
20	PERFUMERY	7.14	4.95	*
21	FRAGRANT	26.43	17.91	****
22	AROMATIC	28.57	19.90	****
23	HONEY	1.43	0.78	
24	CHERRY (BERRY)	0.71	0.32	
25	ALMOND	11.43	7.56	*
26	NAIL POLISH REMOVER	1.43	1.01	
27	NUTTY (WALNUT ETC)	10.71	7.53	*
28	SPICY	7.14	4.40	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.71	0.45	
31	LAUREL LEAVES	1.43	0.90	
32	TEA LEAVES	1.43	1.01	
33	SEASONING (FOR MEAT)	0.71	0.55	
34	BLACK PEPPER	0.71	0.32	
35	GREEN PEPPER	1.43	0.64	
36	DILL	0.71	0.45	
37	CARAWAY	1.43	0.90	
38	OAK WOOD, COGNAC	6.43	3.83	
39	WOODY, RESINOUS	30.00	19.20	****
40	CEDARWOOD	4.29	2.47	
41	MOTHBALLS	3.57	2.26	
42	MINTY, PEPPERMINT	2.86	1.43	
43	CAMPHOR	8.57	4.69	*
44	EUCALIPTUS	4.29	2.21	
45	CHOCOLATE	0.71	0.32	
46	VANILLA	0.71	0.32	
47	SWEET	15.00	10.35	**
48	MAPLE SYRUP	0.71	0.45	
49	CARAMEL	0.71	0.55	
50	MALTY	3.57	2.14	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	5.00	3.59	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.29	3.23	
56	ETHERISH, ANAESTHETIC	15.00	9.02	**
57	CLEANING FLUID	9.29	5.76	*
58	GASOLINE, SOLVENT	10.71	6.66	*
59	TURPENTINE (PINE OIL)	12.14	7.57	*
60	GERANIUM LEAVES	5.00	2.24	
61	CELERY	1.43	0.78	
62	FRESH GREEN VEGETABLES	1.43	0.64	

63	CRUSHED WEEDS	2.86	1.92	
64	CRUSHED GRASS	2.14	1.24	
65	HERBAL, GREEN, CUT GRASS	12.14	7.68	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.14	1.11	
68	GRAINY (AS GRAIN)	0.71	0.55	
69	YEASTY	1.43	0.90	
70	BAKERY (FRESH BREAD)	0.71	0.55	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.43	0.90	
73	BEERY	0.00	0.00	
74	SOAPY	17.86	12.78	***
75	LEATHER	5.71	3.26	
76	CARDBOARD	8.57	4.95	*
77	ROPE	2.14	1.36	
78	WET PAPER	6.43	4.29	*
79	WET WOOL, WET DOG	5.00	2.80	
80	DIRTY LINEN	4.29	1.92	
81	STALE	12.86	8.13	**
82	MUSTY, EARTHY, MOLDY	20.71	13.98	***
83	RAW POTATO	1.43	0.64	
84	MOUSE	0.00	0.00	
85	MUSHROOM	2.14	1.11	
86	PEANUT BUTTER	3.57	2.37	
87	BEANY	2.14	1.11	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	7.14	3.78	
90	CORK	2.86	1.56	
91	BURNT, SMOKY	9.29	5.40	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.86	2.02	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.14	1.36	
96	BURNT PAPER	2.86	1.69	
97	BURNT MILK	1.43	0.78	
98	BURNT RUBBER	2.14	1.36	
99	TAR	3.57	1.60	
100	CREOSOTE	4.29	2.82	
101	DISINFECTANT, CARBOLIC	14.29	9.37	**
102	MEDICINAL	15.71	9.48	**
103	CHEMICAL	23.57	17.41	****
104	BITTER	6.43	4.07	*
105	SHARP, PUNGENT, ACID	26.43	16.94	****
106	SOUR, VINEGAR	12.86	7.79	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.71	3.61	
109	URINE	0.71	0.45	
110	CAT URINE	0.71	0.32	
111	FISHY	0.71	0.32	
112	KIPPERY (SMOKED FISH)	0.71	0.32	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	4.29	3.32	
115	SOOTY	2.86	1.43	
116	BURNT CANDLE	3.57	2.14	
117	KEROSENE	1.43	0.78	
118	OILY, FATTY	31.43	23.60	*****
119	BUTTERY, FRESH BUTTER	2.86	2.02	
120	PAINT	17.14	11.18	**
121	VARNISH	9.29	5.76	*
122	POPCORN	2.14	1.66	
123	FRIED CHICKEN	0.71	0.55	
124	MEATY (COOKED, GOOD)	1.43	0.78	
125	SOUPY	0.71	0.55	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	22.86	15.23	***
128	SWEATY	16.43	9.93	**
129	CHEESY	1.43	0.90	
130	HOUSEHOLD GAS	2.86	1.43	
131	SULFIDIC	2.86	1.43	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	7.14	4.95	*
134	BLOOD, RAW MEAT	1.43	0.78	
135	ANIMAL	2.14	1.36	
136	SEWER	3.57	2.02	
137	PUTRID, FOUL, DECAYED	5.71	3.61	
138	FECAL (LIKE MANURE)	0.71	0.32	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	16.43	10.50	**
141	DRY, POWDERY	13.57	7.75	*
142	CHALKY	2.14	1.24	
143	LIGHT	14.29	10.00	**
144	HEAVY	23.57	16.52	****
145	COOL, COOLING	8.57	5.19	*
146	WARM	15.71	10.80	**

TABLE 110—Octenol: 1-Octen-3-OL

AMYL VINYL CARBINOL

CHEM. ABSTR. REG. NO. 3391-86-4
C8 H16 O1
MOL. WT. 128.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS----------	2.16	1.47	
2	LEMON----------	5.76	3.28	
3	GRAPEFRUIT----------	0.72	0.56	
4	ORANGE----------	0.72	0.46	
5	FRUITY, OTHER THAN CITRUS----------	7.19	4.77	*
6	PINEAPPLE----------	1.44	0.79	
7	GRAPE JUICE----------	0.00	0.00	
8	STRAWBERRY----------	0.72	0.46	
9	APPLE (FRUIT)----------	1.44	0.79	
10	PEAR----------	2.88	1.93	
11	CANTALOUPE, HONEY DEW MELON--------	2.16	1.11	
12	PEACH (FRUIT)----------	2.16	1.37	
13	BANANA----------	0.72	0.32	
14	FLORAL----------	9.35	5.80	*
15	ROSE----------	2.16	0.97	
16	VIOLETS----------	0.72	0.32	
17	LAVENDER----------	2.16	1.47	
18	COLOGNE----------	2.88	1.70	
19	MUSK----------	5.76	3.75	
20	PERFUMERY----------	9.35	5.32	*
21	FRAGRANT----------	27.34	18.18	****
22	AROMATIC----------	24.46	16.03	****
23	HONEY----------	0.00	0.00	
24	CHERRY (BERRY)----------	2.16	1.25	
25	ALMOND----------	1.44	1.02	
26	NAIL POLISH REMOVER----------	1.44	1.20	
27	NUTTY (WALNUT ETC)----------	1.44	0.91	
28	SPICY----------	16.55	10.69	**
29	CLOVE----------	2.16	1.25	
30	CINNAMON----------	0.72	0.56	
31	LAUREL LEAVES----------	2.16	1.37	
32	TEA LEAVES----------	2.16	1.11	
33	SEASONING (FOR MEAT)----------	2.16	1.25	
34	BLACK PEPPER----------	0.72	0.32	
35	GREEN PEPPER----------	3.60	2.28	
36	DILL----------	12.23	9.00	**
37	CARAWAY----------	0.00	0.00	
38	OAK WOOD, COGNAC----------	4.32	2.36	
39	WOODY, RESINOUS----------	29.50	20.91	*****
40	CEDARWOOD----------	7.19	4.98	*
41	MOTHBALLS----------	2.16	1.37	
42	MINTY, PEPPERMINT----------	10.79	7.05	*
43	CAMPHOR----------	6.47	5.11	*
44	EUCALIPTUS----------	2.16	1.67	
45	CHOCOLATE----------	0.00	0.00	
46	VANILLA----------	0.72	0.56	
47	SWEET----------	20.14	11.80	**
48	MAPLE SYRUP----------	0.00	0.00	
49	CARAMEL----------	1.44	0.79	
50	MALTY----------	1.44	0.64	
51	RAISINS----------	0.72	0.46	
52	MOLASSES----------	0.72	0.32	
53	COCONUT----------	0.00	0.00	
54	ANISE (LICORICE)----------	5.76	4.17	*
55	ALCOHOLIC----------	2.88	1.82	
56	ETHERISH, ANAESTHETIC----------	7.19	4.98	*
57	CLEANING FLUID----------	5.76	4.64	*
58	GASOLINE, SOLVENT----------	7.19	5.38	*
59	TURPENTINE (PINE OIL)----------	7.19	4.66	*
60	GERANIUM LEAVES----------	5.76	3.75	
61	CELERY----------	2.16	1.37	
62	FRESH GREEN VEGETABLES----------	9.35	6.14	*

63	CRUSHED WEEDS	12.95	9.16	**
64	CRUSHED GRASS	7.19	5.29	*
65	HERBAL, GREEN, CUT GRASS	29.50	19.65	****
66	RAW CUCUMBER	5.04	3.30	
67	HAY	3.60	2.39	
68	GRAINY (AS GRAIN)	1.44	0.79	
69	YEASTY	2.16	0.97	
70	BAKERY (FRESH BREAD)	0.72	0.32	
71	SOUR MILK	0.72	0.72	
72	FERMENTED (ROTTEN) FRUIT	2.16	1.76	
73	BEERY	0.72	0.56	
74	SOAPY	6.47	3.34	
75	LEATHER	4.32	2.23	
76	CARDBOARD	2.88	2.03	
77	ROPE	2.16	1.11	
78	WET PAPER	1.44	1.02	
79	WET WOOL, WET DOG	2.88	2.32	
80	DIRTY LINEN	2.16	1.93	
81	STALE	5.76	4.36	*
82	MUSTY, EARTHY, MOLDY	33.81	26.28	******
83	RAW POTATO	4.32	2.36	
84	MOUSE	0.72	0.32	
85	MUSHROOM	24.46	21.96	*****
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.72	0.32	
88	EGGY (FRESH EGGS)	0.72	0.46	
89	BARK, BIRCH BARK	5.76	4.07	*
90	CORK	3.60	2.03	
91	BURNT, SMOKY	6.47	4.21	*
92	FRESH TOBACCO SMOKE	0.72	0.32	
93	INCENSE	5.04	2.82	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.60	2.28	
96	BURNT PAPER	0.72	0.32	
97	BURNT MILK	0.72	0.46	
98	BURNT RUBBER	0.72	0.72	
99	TAR	2.88	2.03	
100	CREOSOTE	4.32	3.34	
101	DISINFECTANT, CARBOLIC	6.47	4.53	*
102	MEDICINAL	5.04	3.07	
103	CHEMICAL	9.35	7.34	*
104	BITTER	5.04	3.30	
105	SHARP, PUNGENT, ACID	16.55	11.75	**
106	SOUR, VINEGAR	10.79	7.68	*
107	SAUERKRAUT	1.44	0.64	
108	AMMONIA	1.44	1.11	
109	URINE	1.44	1.11	
110	CAT URINE	2.16	1.58	
111	FISHY	4.32	2.84	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.56	
115	SOOTY	2.16	1.58	
116	BURNT CANDLE	0.72	0.32	
117	KEROSENE	5.04	3.40	
118	OILY, FATTY	9.35	7.06	*
119	BUTTERY, FRESH BUTTER	1.44	0.64	
120	PAINT	9.35	6.46	*
121	VARNISH	6.47	4.42	*
122	POPCORN	1.44	0.64	
123	FRIED CHICKEN	0.72	0.32	
124	MEATY (COOKED, GOOD)	2.16	1.25	
125	SOUPY	1.44	0.79	
126	COOKED VEGETABLES	4.32	3.05	
127	RANCID	9.35	6.25	*
128	SWEATY	11.51	7.93	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.44	1.37	
131	SULFIDIC	2.88	2.57	
132	GARLIC, ONION	4.32	2.49	
133	METALLIC	3.60	2.79	
134	BLOOD, RAW MEAT	2.16	1.47	
135	ANIMAL	1.44	1.02	
136	SEWER	1.44	1.20	
137	PUTRID, FOUL, DECAYED	8.63	6.96	*
138	FECAL (LIKE MANURE)	1.44	1.11	
139	CADAVEROUS (DEAD ANIMAL)	2.16	1.67	
140	SICKENING	14.39	10.77	**
141	DRY, POWDERY	7.19	4.43	*
142	CHALKY	0.72	0.32	
143	LIGHT	16.55	11.44	**
144	HEAVY	20.86	16.71	****
145	COOL, COOLING	15.11	10.11	**
146	WARM	7.91	5.84	*

TABLE 111—Pentanoic Acid

VALERIC ACID
N-VALERIC ACID

CHEM ABSTR. REG. NO. 109-52-4
C5 H10 02
MOL. WT. 102.1

CONCENTRATION, ML/LITER..... 5
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

$CH_3(CH_2)_3COOH$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.43	1.01	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	3.57	2.67	
6	PINEAPPLE	1.43	1.01	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.71	0.45	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.71	0.32	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	5.00	3.38	
20	PERFUMERY	0.71	0.32	
21	FRAGRANT	7.14	5.25	*
22	AROMATIC	12.86	9.58	**
23	HONEY	1.43	1.11	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.14	1.36	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.43	0.90	
28	SPICY	0.00	0.00	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.43	0.64	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.86	1.28	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.71	0.64	
39	WOODY, RESINOUS	3.57	2.26	
40	CEDARWOOD	0.71	0.45	
41	MOTHBALLS	0.71	0.55	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	1.43	0.64	
46	VANILLA	0.71	0.32	
47	SWEET	3.57	2.58	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.86	2.12	
51	RAISINS	0.71	0.32	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	0.00	0.00	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.71	0.45	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.71	0.32	
69	YEASTY	13.57	9.65	**
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	15.00	10.86	**
72	FERMENTED (ROTTEN) FRUIT	8.57	5.19	*
73	BEERY	0.71	0.55	
74	SOAPY	0.71	0.45	
75	LEATHER	4.29	2.71	
76	CARDBOARD	3.57	2.14	
77	ROPE	1.43	0.78	
78	WET PAPER	2.14	1.11	
79	WET WOOL, WET DOG	13.57	8.35	**
80	DIRTY LINEN	14.29	9.90	**
81	STALE	13.57	9.24	**
82	MUSTY, EARTHY, MOLDY	22.86	14.90	***
83	RAW POTATO	0.71	0.45	
84	MOUSE	3.57	1.89	
85	MUSHROOM	1.43	0.78	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.71	0.32	
89	BARK, BIRCH BARK	2.14	1.46	
90	CORK	1.43	0.64	
91	BURNT, SMOKY	4.29	2.35	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.71	0.45	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.71	0.32	
98	BURNT RUBBER	0.71	0.32	
99	TAR	1.43	0.90	
100	CREOSOTE	0.71	0.45	
101	DISINFECTANT, CARBOLIC	1.43	0.90	
102	MEDICINAL	2.86	1.81	
103	CHEMICAL	8.57	5.31	*
104	BITTER	7.14	5.05	*
105	SHARP, PUNGENT, ACID	33.57	25.26	******
106	SOUR, VINEGAR	32.86	23.43	*****
107	SAUERKRAUT	5.71	3.00	
108	AMMONIA	1.43	0.64	
109	URINE	10.00	6.87	*
110	CAT URINE	9.29	5.15	*
111	FISHY	6.43	3.83	
112	KIPPERY (SMOKED FISH)	0.71	0.55	
113	SEMINAL, SPERM-LIKE	1.43	1.01	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.71	0.32	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	15.71	9.48	**
119	BUTTERY, FRESH BUTTER	3.57	2.14	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.14	1.24	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.43	0.78	
127	RANCID	48.57	36.78	*********
128	SWEATY	49.29	36.48	*********
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	10.71	6.55	*
132	GARLIC, ONION	0.71	0.45	
133	METALLIC	2.14	1.11	
134	BLOOD, RAW MEAT	8.57	5.75	*
135	ANIMAL	21.43	14.53	***
136	SEWER	21.43	14.74	***
137	PUTRID, FOUL, DECAYED	47.86	37.35	*********
138	FECAL (LIKE MANURE)	45.00	35.95	********
139	CADAVEROUS (DEAD ANIMAL)	20.71	13.55	***
140	SICKENING	62.86	49.15	**********
141	DRY, POWDERY	2.86	1.56	
142	CHALKY	0.00	0.00	
143	LIGHT	0.71	0.32	
144	HEAVY	32.14	24.99	******
145	COOL, COOLING	0.00	0.00	
146	WARM	9.29	6.62	*

TABLE 112—Pentenoic Acid: 4-Pentenoic Acid

CHEM. ABSTR. REG. NO. 591-80-0
C5 H8 O2
MOL. WT. 100.1

CONCENTRATION, ML/LITER..... 50
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 138
PERCENT WHO DETECTED ODOR..... 99

$CH_2=C(CH_2)_2COOH$

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

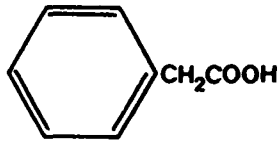
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.35	2.75	
2	LEMON	1.45	0.92	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.45	0.65	
5	FRUITY, OTHER THAN CITRUS	7.25	5.32	*
6	PINEAPPLE	0.72	0.46	
7	GRAPE JUICE	2.17	1.49	
8	STRAWBERRY	0.72	0.72	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.32	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	1.45	1.12	
14	FLORAL	0.72	0.56	
15	ROSE	0.00	0.00	
16	VIOLETS	0.72	0.32	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	2.17	1.26	
20	PERFUMERY	1.45	1.02	
21	FRAGRANT	9.42	6.91	*
22	AROMATIC	9.42	6.81	*
23	HONEY	2.90	2.25	
24	CHERRY (BERRY)	2.17	1.68	
25	ALMOND	1.45	1.02	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	5.07	3.32	
28	SPICY	3.62	2.17	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.72	0.32	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	1.45	0.65	
34	BLACK PEPPER	0.72	0.46	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.72	0.32	
39	WOODY, RESINOUS	5.07	2.57	
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.72	0.32	
43	CAMPHOR	2.17	1.37	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	1.45	0.65	
46	VANILLA	0.72	0.32	
47	SWEET	19.57	13.26	***
48	MAPLE SYRUP	0.72	0.32	
49	CARAMEL	2.90	2.05	
50	MALTY	2.17	1.12	
51	RAISINS	0.72	0.56	
52	MOLASSES	0.72	0.46	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	1.45	0.65	
57	CLEANING FLUID	0.72	0.32	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.72	0.32	
60	GERANIUM LEAVES	0.72	0.46	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.72	0.46	

63	CRUSHED WEEDS	1.45	0.79	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.72	0.32	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	6.52	4.24	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	26.09	18.24	****
72	FERMENTED (ROTTEN) FRUIT	10.14	6.97	*
73	BEERY	2.17	0.97	
74	SOAPY	1.45	0.65	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.72	0.32	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.17	1.37	
80	DIRTY LINEN	6.52	4.86	*
81	STALE	6.52	4.76	*
82	MUSTY, EARTHY, MOLDY	17.39	11.67	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.72	0.46	
90	CORK	0.72	0.32	
91	BURNT, SMOKY	2.90	1.45	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.90	1.83	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.45	0.65	
96	BURNT PAPER	0.72	0.46	
97	BURNT MILK	0.72	0.32	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.72	0.46	
100	CREOSOTE	0.72	0.46	
101	DISINFECTANT, CARBOLIC	1.45	0.65	
102	MEDICINAL	1.45	0.79	
103	CHEMICAL	8.70	6.05	*
104	BITTER	3.62	2.17	
105	SHARP, PUNGENT, ACID	28.99	21.88	*****
106	SOUR, VINEGAR	34.06	25.04	******
107	SAUERKRAUT	4.35	2.25	
108	AMMONIA	4.35	2.38	
109	URINE	6.52	4.76	*
110	CAT URINE	3.62	2.05	
111	FISHY	2.90	1.71	
112	KIPPERY (SMOKED FISH)	1.45	0.65	
113	SEMINAL, SPERM-LIKE	1.45	0.92	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.72	0.46	
116	BURNT CANDLE	0.72	0.46	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	15.22	10.40	**
119	BUTTERY, FRESH BUTTER	5.80	3.43	
120	PAINT	2.17	1.12	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.72	0.32	
124	MEATY (COOKED, GOOD)	0.72	0.32	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	2.17	0.97	
127	RANCID	33.33	23.98	*****
128	SWEATY	21.74	15.17	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.72	0.32	
131	SULFIDIC	5.80	3.89	
132	GARLIC, ONION	2.90	1.59	
133	METALLIC	0.72	0.32	
134	BLOOD, RAW MEAT	5.80	4.10	*
135	ANIMAL	4.35	2.86	
136	SEWER	6.52	3.77	
137	PUTRID, FOUL, DECAYED	28.26	17.99	****
138	FECAL (LIKE MANURE)	13.04	9.43	**
139	CADAVEROUS (DEAD ANIMAL)	3.62	1.77	
140	SICKENING	47.83	35.42	********
141	DRY, POWDERY	3.62	2.51	
142	CHALKY	0.00	0.00	
143	LIGHT	3.62	2.71	
144	HEAVY	26.81	21.59	*****
145	COOL, COOLING	1.45	0.92	
146	WARM	5.80	4.40	*

TABLE 113—Phenyl Acetic Acid

BENZENEACETIC ACID
ACETIC ACID, PHENYL-

CHEM. ABSTR. REG. NO. 103-82-2
C8 H8 O2
MOL. WT. 136.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	123
NUMBER WHO DETECTED ODOR.....	123
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

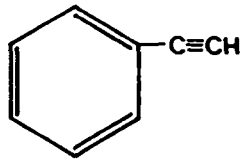
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.44	1.26	
2	LEMON	2.44	1.41	
3	GRAPEFRUIT	0.81	0.51	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	1.63	1.03	
6	PINEAPPLE	0.81	0.36	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.81	0.36	
11	CANTALOUPE, HONEY DEW MELON	1.63	1.15	
12	PEACH (FRUIT)	0.81	0.51	
13	BANANA	0.00	0.00	
14	FLORAL	22.76	16.55	****
15	ROSE	9.76	6.30	*
16	VIOLETS	4.07	2.93	
17	LAVENDER	2.44	1.26	
18	COLOGNE	4.88	3.09	
19	MUSK	8.13	4.88	*
20	PERFUMERY	15.45	11.32	**
21	FRAGRANT	26.02	19.29	****
22	AROMATIC	21.14	15.73	***
23	HONEY	11.38	9.81	**
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	1.63	0.73	
26	NAIL POLISH REMOVER	1.63	1.03	
27	NUTTY (WALNUT ETC)	1.63	0.73	
28	SPICY	4.07	1.99	
29	CLOVE	0.81	0.36	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.81	0.63	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.81	0.36	
37	CARAWAY	0.81	0.51	
38	OAK WOOD, COGNAC	0.81	0.36	
39	WOODY, RESINOUS	12.20	7.04	*
40	CEDARWOOD	2.44	1.67	
41	MOTHBALLS	2.44	1.78	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	4.88	3.09	
44	EUCALIPTUS	0.81	0.63	
45	CHOCOLATE	0.81	0.36	
46	VANILLA	3.25	1.92	
47	SWEET	24.39	19.10	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	3.25	1.63	
50	MALTY	0.00	0.00	
51	RAISINS	1.63	0.89	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	4.07	2.82	
57	CLEANING FLUID	2.44	1.41	
58	GASOLINE, SOLVENT	0.81	0.63	
59	TURPENTINE (PINE OIL)	1.63	0.73	
60	GERANIUM LEAVES	1.63	1.36	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	1.63	1.15	

63	CRUSHED WEEDS	2.44	1.89	
64	CRUSHED GRASS	2.44	1.99	
65	HERBAL, GREEN, CUT GRASS	7.32	5.12	*
66	RAW CUCUMBER	0.81	0.51	
67	HAY	2.44	1.54	
68	GRAINY (AS GRAIN)	1.63	0.89	
69	YEASTY	2.44	1.78	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.81	0.36	
72	FERMENTED (ROTTEN) FRUIT	3.25	1.63	
73	BEERY	1.63	0.89	
74	SOAPY	6.50	3.85	
75	LEATHER	0.81	0.36	
76	CARDBOARD	1.63	1.03	
77	ROPE	1.63	1.03	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	4.88	2.95	
80	DIRTY LINEN	10.57	7.42	*
81	STALE	5.69	3.47	
82	MUSTY, EARTHY, MOLDY	16.26	11.15	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.81	0.63	
85	MUSHROOM	0.81	0.51	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.63	1.15	
90	CORK	3.25	1.78	
91	BURNT, SMOKY	6.50	4.24	*
92	FRESH TOBACCO SMOKE	0.81	0.36	
93	INCENSE	4.88	2.82	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.81	0.51	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.81	0.51	
101	DISINFECTANT, CARBOLIC	4.07	3.15	
102	MEDICINAL	4.88	3.56	
103	CHEMICAL	8.13	6.19	*
104	BITTER	0.81	0.63	
105	SHARP, PUNGENT, ACID	17.89	12.88	***
106	SOUR, VINEGAR	18.70	12.21	***
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	8.94	6.03	*
109	URINE	24.39	20.98	*****
110	CAT URINE	9.76	8.26	**
111	FISHY	2.44	1.54	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	3.25	2.18	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	3.25	1.63	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.81	0.36	
118	OILY, FATTY	7.32	3.93	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.81	0.63	
121	VARNISH	1.63	1.15	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.81	0.51	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	11.38	8.50	**
128	SWEATY	23.58	16.73	****
129	CHEESY	0.81	0.51	
130	HOUSEHOLD GAS	0.81	0.63	
131	SULFIDIC	3.25	2.41	
132	GARLIC, ONION	0.81	0.36	
133	METALLIC	4.07	2.70	
134	BLOOD, RAW MEAT	0.81	0.63	
135	ANIMAL	4.88	3.45	
136	SEWER	4.07	2.93	
137	PUTRID, FOUL, DECAYED	10.57	7.30	*
138	FECAL (LIKE MANURE)	5.69	3.33	
139	CADAVEROUS (DEAD ANIMAL)	3.25	2.41	
140	SICKENING	34.96	25.90	******
141	DRY, POWDERY	9.76	5.34	*
142	CHALKY	0.00	0.00	
143	LIGHT	10.57	7.42	*
144	HEAVY	27.64	21.83	*****
145	COOL, COOLING	4.88	2.52	
146	WARM	14.63	10.12	

TABLE 114—Phenyl Acetylene

PHENYL ETHYNE
ETHYNYL BENZENE

CHEM. ABSTR. REG. NO. 536-74-3
C8 H6
MOL. WT. 102.1



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

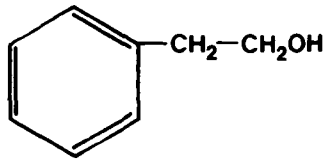
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.71	0.32	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.71	0.32	
6	PINEAPPLE	0.71	0.32	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.71	0.32	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.71	0.45	
13	BANANA	0.71	0.32	
14	FLORAL	6.43	4.18	*
15	ROSE	1.43	0.78	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.71	0.45	
18	COLOGNE	1.43	0.78	
19	MUSK	2.86	1.56	
20	PERFUMERY	3.57	2.58	
21	FRAGRANT	15.71	10.70	**
22	AROMATIC	30.00	21.61	*****
23	HONEY	2.14	1.46	
24	CHERRY (BERRY)	0.71	0.45	
25	ALMOND	2.14	1.24	
26	NAIL POLISH REMOVER	17.86	12.47	***
27	NUTTY (WALNUT ETC)	2.14	1.66	
28	SPICY	4.29	2.21	
29	CLOVE	2.14	1.24	
30	CINNAMON	0.71	0.45	
31	LAUREL LEAVES	0.71	0.32	
32	TEA LEAVES	0.71	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.45	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.57	2.26	
39	WOODY, RESINOUS	18.57	12.19	***
40	CEDARWOOD	2.86	2.02	
41	MOTHBALLS	11.43	7.11	*
42	MINTY, PEPPERMINT	2.14	1.11	
43	CAMPHOR	8.57	5.96	*
44	EUCALIPTUS	0.71	0.55	
45	CHOCOLATE	1.43	0.64	
46	VANILLA	2.14	0.96	
47	SWEET	12.86	7.67	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.71	0.45	
50	MALTY	1.43	0.78	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.71	0.55	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.43	1.11	
55	ALCOHOLIC	8.57	6.06	*
56	ETHERISH, ANAESTHETIC	32.86	23.13	*****
57	CLEANING FLUID	25.71	17.46	****
58	GASOLINE, SOLVENT	39.29	29.21	*******
59	TURPENTINE (PINE OIL)	22.86	16.46	****
60	GERANIUM LEAVES	1.43	0.64	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.71	0.45	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	3.57	2.47	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.71	0.32	
68	GRAINY (AS GRAIN)	1.43	0.90	
69	YEASTY	1.43	1.01	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.71	0.32	
72	FERMENTED (ROTTEN) FRUIT	1.43	0.90	
73	BEERY	2.14	1.11	
74	SOAPY	2.86	1.43	
75	LEATHER	5.71	3.73	
76	CARDBOARD	1.43	0.64	
77	ROPE	0.71	0.32	
78	WET PAPER	1.43	0.90	
79	WET WOOL, WET DOG	1.43	0.64	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.57	2.37	
82	MUSTY, EARTHY, MOLDY	7.14	3.78	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.71	0.32	
86	PEANUT BUTTER	0.71	0.32	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.43	1.01	
90	CORK	2.14	1.11	
91	BURNT, SMOKY	8.57	6.26	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.43	1.01	
94	COFFEE	0.71	0.45	
95	STALE TOBACCO SMOKE	2.14	1.24	
96	BURNT PAPER	2.14	1.24	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	3.57	2.26	
99	TAR	9.29	5.76	*
100	CREOSOTE	8.57	5.31	*
101	DISINFECTANT, CARBOLIC	24.29	16.02	****
102	MEDICINAL	19.29	13.69	***
103	CHEMICAL	47.14	38.05	*********
104	BITTER	5.00	3.16	
105	SHARP, PUNGENT, ACID	43.57	31.56	*******
106	SOUR, VINEGAR	10.71	7.00	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.00	2.93	
109	URINE	0.00	0.00	
110	CAT URINE	0.71	0.32	
111	FISHY	2.14	1.36	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.71	0.32	
114	NEW RUBBER	4.29	2.71	
115	SOOTY	3.57	2.02	
116	BURNT CANDLE	1.43	0.78	
117	KEROSENE	20.71	13.87	***
118	OILY, FATTY	7.86	4.62	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	39.29	27.93	******
121	VARNISH	24.29	18.06	****
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.71	0.45	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.14	1.24	
128	SWEATY	12.14	7.45	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	11.43	7.45	*
131	SULFIDIC	7.14	5.15	*
132	GARLIC, ONION	1.43	1.28	
133	METALLIC	7.86	4.24	*
134	BLOOD, RAW MEAT	1.43	0.64	
135	ANIMAL	2.14	1.46	
136	SEWER	1.43	0.78	
137	PUTRID, FOUL, DECAYED	6.43	4.07	*
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	2.14	1.24	
140	SICKENING	22.14	15.81	***
141	DRY, POWDERY	2.14	1.24	
142	CHALKY	0.00	0.00	
143	LIGHT	14.29	9.37	**
144	HEAVY	22.86	18.25	****
145	COOL, COOLING	9.29	5.98	*
146	WARM	7.86	5.30	*

TABLE 115—Phenyl Ethanol (Lower Concentration)

BENZENEETHANOL
PHENYL ETHYL ALCOHOL
PHENETHYL ALCOHOL
BETA-PHENYLETHYL ALCOHOL
PHENAROSE
P.E.A.

CHEM. ABSTR. REG. NO. 60-12-8
C8 H10 O1
MOL. WT. 122.1



CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

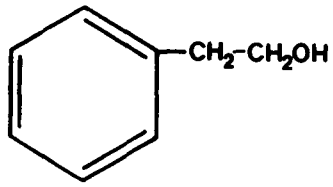
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.02	1.84	
2	LEMON	2.36	1.19	
3	GRAPEFRUIT	0.67	0.36	
4	ORANGE	1.01	0.51	
5	FRUITY, OTHER THAN CITRUS	9.43	5.94	*
6	PINEAPPLE	1.01	0.52	
7	GRAPE JUICE	0.67	0.36	
8	STRAWBERRY	1.35	0.85	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.68	1.01	
11	CANTALOUPE, HONEY DEW MELON	2.02	1.17	
12	PEACH (FRUIT)	1.68	0.95	
13	BANANA	2.02	0.97	
14	FLORAL	57.26	49.80	**********
15	ROSE	56.93	47.84	**********
16	VIOLETS	26.61	17.65	****
17	LAVENDER	20.89	14.34	***
18	COLOGNE	23.59	16.35	****
19	MUSK	7.41	4.51	*
20	PERFUMERY	54.92	42.98	**********
21	FRAGRANT	68.05	53.99	**********
22	AROMATIC	45.81	34.83	********
23	HONEY	8.75	6.55	*
24	CHERRY (BERRY)	3.71	1.93	
25	ALMOND	7.74	4.31	*
26	NAIL POLISH REMOVER	1.68	0.82	
27	NUTTY (WALNUT ETC)	0.67	0.47	
28	SPICY	13.81	8.28	**
29	CLOVE	4.71	2.56	
30	CINNAMON	5.39	3.41	
31	LAUREL LEAVES	2.36	1.68	
32	TEA LEAVES	2.69	1.62	
33	SEASONING (FOR MEAT)	0.34	0.26	
34	BLACK PEPPER	0.67	0.30	
35	GREEN PEPPER	0.34	0.21	
36	DILL	1.35	0.67	
37	CARAWAY	0.67	0.42	
38	OAK WOOD, COGNAC	2.36	1.69	
39	WOODY, RESINOUS	13.80	8.18	**
40	CEDARWOOD	6.06	3.81	
41	MOTHBALLS	2.02	1.04	
42	MINTY, PEPPERMINT	3.71	1.93	
43	CAMPHOR	3.03	1.69	
44	EUCALIPTUS	2.69	1.85	
45	CHOCOLATE	0.67	0.37	
46	VANILLA	3.03	1.35	
47	SWEET	43.45	31.73	*******
48	MAPLE SYRUP	1.68	0.99	
49	CARAMEL	1.01	0.58	
50	MALTY	2.02	1.20	
51	RAISINS	0.34	0.15	
52	MOLASSES	0.34	0.15	
53	COCONUT	0.67	0.30	
54	ANISE (LICORICE)	1.68	1.01	
55	ALCOHOLIC	4.04	2.33	
56	ETHERISH, ANAESTHETIC	5.73	3.34	
57	CLEANING FLUID	1.34	0.60	
58	GASOLINE, SOLVENT	2.02	1.14	
59	TURPENTINE (PINE OIL)	3.03	1.89	
60	GERANIUM LEAVES	13.48	8.31	**
61	CELERY	0.34	0.21	
62	FRESH GREEN VEGETABLES	2.70	1.48	

63	CRUSHED WEEDS	5.04	3.03	
64	CRUSHED GRASS	5.73	3.44	
65	HERBAL, GREEN, CUT GRASS	26.96	18.53	****
66	RAW CUCUMBER	0.68	0.43	
67	HAY	3.36	1.95	
68	GRAINY (AS GRAIN)	1.68	1.06	
69	YEASTY	3.37	1.96	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.01	0.45	
72	FERMENTED (ROTTEN) FRUIT	3.71	2.50	
73	BEERY	5.05	3.44	
74	SOAPY	3.03	1.80	
75	LEATHER	1.68	0.88	
76	CARDBOARD	1.34	0.85	
77	ROPE	0.34	0.26	
78	WET PAPER	1.01	0.69	
79	WET WOOL, WET DOG	3.03	2.01	
80	DIRTY LINEN	2.36	1.41	
81	STALE	4.37	2.87	
82	MUSTY, EARTHY, MOLDY	10.77	7.36	*
83	RAW POTATO	0.34	0.26	
84	MOUSE	2.02	1.22	
85	MUSHROOM	0.67	0.36	
86	PEANUT BUTTER	0.68	0.48	
87	BEANY	0.34	0.30	
88	EGGY (FRESH EGGS)	0.34	0.15	
89	BARK, BIRCH BARK	3.70	2.91	
90	CORK	3.36	2.07	
91	BURNT, SMOKY	2.69	1.58	
92	FRESH TOBACCO SMOKE	0.34	0.15	
93	INCENSE	11.79	7.72	*
94	COFFEE	0.34	0.26	
95	STALE TOBACCO SMOKE	0.67	0.43	
96	BURNT PAPER	0.67	0.41	
97	BURNT MILK	0.34	0.26	
98	BURNT RUBBER	1.34	0.60	
99	TAR	0.67	0.30	
100	CREOSOTE	2.36	1.30	
101	DISINFECTANT, CARBOLIC	4.03	2.08	
102	MEDICINAL	6.74	3.91	
103	CHEMICAL	8.42	5.53	*
104	BITTER	1.68	1.11	
105	SHARP, PUNGENT, ACID	9.76	6.83	*
106	SOUR, VINEGAR	9.08	6.39	*
107	SAUERKRAUT	0.34	0.15	
108	AMMONIA	4.04	2.60	
109	URINE	7.74	6.12	*
110	CAT URINE	3.36	2.56	
111	FISHY	1.68	1.24	
112	KIPPERY (SMOKED FISH)	0.34	0.15	
113	SEMINAL, SPERM-LIKE	0.67	0.43	
114	NEW RUBBER	0.34	0.15	
115	SOOTY	0.67	0.36	
116	BURNT CANDLE	2.02	1.56	
117	KEROSENE	0.67	0.30	
118	OILY, FATTY	8.09	5.06	*
119	BUTTERY, FRESH BUTTER	1.35	0.90	
120	PAINT	2.36	1.44	
121	VARNISH	1.68	1.01	
122	POPCORN	0.34	0.21	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.67	0.30	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.67	0.47	
127	RANCID	4.71	3.47	
128	SWEATY	10.44	7.47	*
129	CHEESY	0.67	0.42	
130	HOUSEHOLD GAS	0.67	0.30	
131	SULFIDIC	1.34	0.84	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.34	0.95	
134	BLOOD, RAW MEAT	1.68	1.06	
135	ANIMAL	4.37	3.07	
136	SEWER	1.68	0.93	
137	PUTRID, FOUL, DECAYED	4.38	2.80	
138	FECAL (LIKE MANURE)	1.01	0.67	
139	CADAVEROUS (DEAD ANIMAL)	2.35	1.30	
140	SICKENING	10.43	6.96	*
141	DRY, POWDERY	5.72	3.98	
142	CHALKY	1.01	0.58	
143	LIGHT	33.69	23.76	*****
144	HEAVY	18.52	14.00	***
145	COOL, COOLING	8.76	5.75	*
146	WARM	16.84	11.95	**

TABLE 116—Phenyl Ethanol (Higher Concentration)

BENZENEETHANOL
PHENYL ETHYL ALCOHOL
PHENETHYL ALCOHOL
BETA-PHENYLETHYL ALCOHOL
PHENAROSE
P.E.A.

CHEM. ABSTR. REG. NO. 60-12-8
C8 H10 O1
MOL. WT. 122.1



CONCENTRATION, ML/LITER..... 200
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 140
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

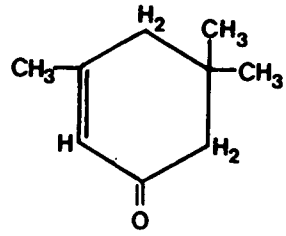
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.43	0.64	
2	LEMON	0.71	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	6.43	3.71	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	2.14	1.11	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.71	0.32	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	1.43	0.64	
13	BANANA	0.00	0.00	
14	FLORAL	67.14	58.44	**********
15	ROSE	66.43	57.55	**********
16	VIOLETS	28.57	20.40	*****
17	LAVENDER	20.71	14.08	***
18	COLOGNE	17.86	11.41	**
19	MUSK	4.29	2.60	
20	PERFUMERY	52.14	40.11	**********
21	FRAGRANT	73.57	59.07	**********
22	AROMATIC	42.86	33.84	********
23	HONEY	7.14	4.63	*
24	CHERRY (BERRY)	4.29	2.71	
25	ALMOND	10.71	6.31	*
26	NAIL POLISH REMOVER	1.43	0.90	
27	NUTTY (WALNUT ETC)	2.86	1.56	
28	SPICY	11.43	7.56	*
29	CLOVE	2.14	1.56	
30	CINNAMON	4.29	3.13	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	2.86	1.43	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.71	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.57	2.02	
39	WOODY, RESINOUS	12.14	7.79	*
40	CEDARWOOD	3.57	2.14	
41	MOTHBALLS	2.14	1.24	
42	MINTY, PEPPERMINT	2.86	1.92	
43	CAMPHOR	4.29	2.21	
44	EUCALIPTUS	2.86	1.92	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.14	0.96	
47	SWEET	47.14	34.43	********
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.86	1.56	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.71	0.45	
54	ANISE (LICORICE)	0.71	0.32	
55	ALCOHOLIC	2.14	1.36	
56	ETHERISH, ANAESTHETIC	3.57	1.60	
57	CLEANING FLUID	0.71	0.45	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.43	0.64	
60	GERANIUM LEAVES	8.57	5.19	*
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	2.86	1.69	

63	CRUSHED WEEDS	7.14	4.29	*
64	CRUSHED GRASS	8.57	5.42	*
65	HERBAL, GREEN, CUT GRASS	25.71	17.04	****
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.43	0.64	
68	GRAINY (AS GRAIN)	0.71	0.32	
69	YEASTY	2.86	1.81	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.43	0.78	
73	BEERY	1.43	1.01	
74	SOAPY	5.71	2.86	
75	LEATHER	2.86	1.43	
76	CARDBOARD	1.43	1.11	
77	ROPE	0.71	0.32	
78	WET PAPER	0.71	0.55	
79	WET WOOL, WET DOG	2.14	1.36	
80	DIRTY LINEN	0.71	0.55	
81	STALE	1.43	1.01	
82	MUSTY, EARTHY, MOLDY	7.14	4.63	*
83	RAW POTATO	0.71	0.32	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.71	0.45	
86	PEANUT BUTTER	1.43	1.01	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.00	2.67	
90	CORK	0.71	0.32	
91	BURNT, SMOKY	6.43	4.89	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.57	5.53	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	2.14	1.24	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.71	0.32	
101	DISINFECTANT, CARBOLIC	2.14	1.46	
102	MEDICINAL	2.86	1.69	
103	CHEMICAL	6.43	4.18	*
104	BITTER	2.86	1.28	
105	SHARP, PUNGENT, ACID	5.71	4.14	*
106	SOUR, VINEGAR	2.14	1.36	
107	SAUERKRAUT	0.71	0.64	
108	AMMONIA	2.14	1.11	
109	URINE	2.14	1.84	
110	CAT URINE	1.43	1.28	
111	FISHY	0.71	0.32	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.71	0.45	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	1.43	0.78	
117	KEROSENE	0.71	0.45	
118	OILY, FATTY	10.71	6.43	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	1.43	0.90	
121	VARNISH	2.14	1.46	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.71	0.55	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.14	1.24	
128	SWEATY	7.86	5.80	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.71	0.64	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.71	0.45	
134	BLOOD, RAW MEAT	1.43	0.78	
135	ANIMAL	1.43	0.90	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	2.14	1.36	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	6.43	4.39	*
141	DRY, POWDERY	10.00	5.73	*
142	CHALKY	0.00	0.00	
143	LIGHT	27.86	19.44	****
144	HEAVY	15.71	11.51	**
145	COOL, COOLING	10.71	7.11	*
146	WARM	13.57	9.65	**

TABLE 117—Phorone: iso-Phorone

2-CYCLOHEXEN-1-ONE, 3,5,5-TRIMETHYL

CHEM. ABSTR. REG. NO. 78-59-1
C9 H14 O1
MOL. WT. 138.1



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	128
NUMBER WHO DETECTED ODOR.....	128
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

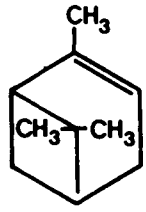
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.56	0.99	
2	LEMON	3.13	1.71	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	8.59	6.24	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	1.56	0.86	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	1.56	1.21	
10	PEAR	3.13	2.42	
11	CANTALOUPE, HONEY DEW MELON	1.56	1.10	
12	PEACH (FRUIT)	0.78	0.78	
13	BANANA	0.00	0.00	
14	FLORAL	7.81	5.63	*
15	ROSE	1.56	0.99	
16	VIOLETS	1.56	0.86	
17	LAVENDER	0.00	0.00	
18	COLOGNE	1.56	0.99	
19	MUSK	5.47	3.20	
20	PERFUMERY	5.47	2.77	
21	FRAGRANT	28.91	20.16	*****
22	AROMATIC	20.31	15.01	***
23	HONEY	3.91	3.12	
24	CHERRY (BERRY)	1.56	1.10	
25	ALMOND	2.34	1.21	
26	NAIL POLISH REMOVER	2.34	1.35	
27	NUTTY (WALNUT ETC)	2.34	1.35	
28	SPICY	7.81	5.30	*
29	CLOVE	0.78	0.35	
30	CINNAMON	0.78	0.35	
31	LAUREL LEAVES	0.78	0.35	
32	TEA LEAVES	6.25	3.56	
33	SEASONING (FOR MEAT)	1.56	0.86	
34	BLACK PEPPER	0.78	0.49	
35	GREEN PEPPER	1.56	0.99	
36	DILL	0.78	0.70	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.69	2.84	
39	WOODY, RESINOUS	26.56	17.88	****
40	CEDARWOOD	8.59	6.02	*
41	MOTHBALLS	5.47	2.77	
42	MINTY, PEPPERMINT	12.50	8.50	**
43	CAMPHOR	15.63	10.60	**
44	EUCALIPTUS	11.72	7.77	*
45	CHOCOLATE	0.78	0.35	
46	VANILLA	1.56	0.70	
47	SWEET	25.78	16.67	****
48	MAPLE SYRUP	2.34	1.21	
49	CARAMEL	0.78	0.35	
50	MALTY	0.78	0.49	
51	RAISINS	4.69	3.63	
52	MOLASSES	0.78	0.35	
53	COCONUT	0.78	0.35	
54	ANISE (LICORICE)	3.91	2.21	
55	ALCOHOLIC	3.91	2.34	
56	ETHERISH, ANAESTHETIC	10.94	7.28	*
57	CLEANING FLUID	8.59	5.05	*
58	GASOLINE, SOLVENT	7.81	4.82	*
59	TURPENTINE (PINE OIL)	7.03	4.69	*
60	GERANIUM LEAVES	0.78	0.49	
61	CELERY	3.91	3.12	
62	FRESH GREEN VEGETABLES	3.13	2.42	

63	CRUSHED WEEDS	3.13	2.10	
64	CRUSHED GRASS	4.69	2.96	
65	HERBAL, GREEN, CUT GRASS	18.75	12.22	***
66	RAW CUCUMBER	0.78	0.61	
67	HAY	6.25	3.95	
68	GRAINY (AS GRAIN)	3.13	1.85	
69	YEASTY	1.56	0.99	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.34	1.48	
73	BEERY	2.34	1.48	
74	SOAPY	0.78	0.49	
75	LEATHER	3.91	2.34	
76	CARDBOARD	3.13	1.40	
77	ROPE	2.34	1.48	
78	WET PAPER	3.13	1.85	
79	WET WOOL, WET DOG	0.78	0.49	
80	DIRTY LINEN	0.78	0.61	
81	STALE	3.13	1.71	
82	MUSTY, EARTHY, MOLDY	14.06	9.61	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	1.56	0.70	
86	PEANUT BUTTER	0.78	0.35	
87	BEANY	1.56	0.86	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.69	3.20	
90	CORK	1.56	0.99	
91	BURNT, SMOKY	10.94	6.92	*
92	FRESH TOBACCO SMOKE	8.59	6.76	*
93	INCENSE	4.69	2.71	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	6.25	4.74	*
96	BURNT PAPER	0.78	0.35	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.78	0.49	
99	TAR	2.34	1.48	
100	CREOSOTE	2.34	1.71	
101	DISINFECTANT, CARBOLIC	9.38	5.41	*
102	MEDICINAL	14.84	9.01	**
103	CHEMICAL	15.63	10.71	**
104	BITTER	3.91	2.21	
105	SHARP, PUNGENT, ACID	15.63	10.36	**
106	SOUR, VINEGAR	7.03	4.32	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.56	0.86	
109	URINE	0.00	0.00	
110	CAT URINE	0.78	0.49	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.56	1.40	
115	SOOTY	0.78	0.35	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	1.56	0.70	
118	OILY, FATTY	7.81	5.30	*
119	BUTTERY, FRESH BUTTER	0.78	0.35	
120	PAINT	9.38	6.74	*
121	VARNISH	5.47	3.20	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.78	0.35	
125	SOUPY	1.56	1.21	
126	COOKED VEGETABLES	1.56	0.99	
127	RANCID	4.69	2.96	
128	SWEATY	3.91	2.21	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.78	0.61	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	1.56	0.70	
133	METALLIC	2.34	1.21	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	1.56	1.10	
136	SEWER	0.78	0.35	
137	PUTRID, FOUL, DECAYED	2.34	1.60	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	8.59	6.02	*
141	DRY, POWDERY	5.47	2.92	
142	CHALKY	0.00	0.00	
143	LIGHT	18.75	12.46	***
144	HEAVY	14.84	10.33	**
145	COOL, COOLING	9.38	6.63	*
146	WARM	10.94	7.62	

TABLE 118—Pinene: alpha-Pinene

BICYCLO(3.1.1)HEPT-2-ENE, 2,6,6-TRIMETHYL
2-PINENE

CHEM. ABSTR. REG. NO. 80-56-8
C10 H16
MOL. WT. 136.1



CONCENTRATION, ML/LITER..... 25
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 107
PERCENT WHO DETECTED ODOR..... 76

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

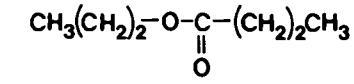
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.87	1.32	
2	LEMON	5.61	2.90	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	3.74	2.36	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.93	0.42	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.93	0.42	
13	BANANA	0.00	0.00	
14	FLORAL	3.74	2.21	
15	ROSE	0.93	0.59	
16	VIOLETS	0.93	0.72	
17	LAVENDER	0.00	0.00	
18	COLOGNE	3.74	2.21	
19	MUSK	2.80	1.25	
20	PERFUMERY	12.15	7.53	*
21	FRAGRANT	30.84	19.51	****
22	AROMATIC	21.50	13.14	***
23	HONEY	0.93	0.93	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	1.87	1.02	
26	NAIL POLISH REMOVER	2.80	1.62	
27	NUTTY (WALNUT ETC)	3.74	2.05	
28	SPICY	4.67	2.64	
29	CLOVE	0.93	0.42	
30	CINNAMON	0.93	0.42	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.93	0.59	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.93	0.59	
38	OAK WOOD, COGNAC	5.61	3.40	
39	WOODY, RESINOUS	55.14	39.58	*********
40	CEDARWOOD	18.69	13.22	***
41	MOTHBALLS	2.80	1.45	
42	MINTY, PEPPERMINT	2.80	1.25	
43	CAMPHOR	7.48	3.92	
44	EUCALIPTUS	4.67	2.80	
45	CHOCOLATE	0.93	0.72	
46	VANILLA	1.87	0.84	
47	SWEET	15.89	9.28	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.93	0.84	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.93	0.42	
56	ETHERISH, ANAESTHETIC	6.54	3.67	
57	CLEANING FLUID	3.74	2.05	
58	GASOLINE, SOLVENT	2.80	1.77	
59	TURPENTINE (PINE OIL)	28.04	19.96	****
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.80	1.25	
64	CRUSHED GRASS	1.87	1.02	
65	HERBAL, GREEN, CUT GRASS	14.02	8.57	**
66	RAW CUCUMBER	0.93	0.42	
67	HAY	0.93	0.42	
68	GRAINY (AS GRAIN)	2.80	1.62	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.93	0.72	
73	BEERY	0.93	0.59	
74	SOAPY	2.80	1.45	
75	LEATHER	3.74	2.05	
76	CARDBOARD	8.41	4.16	*
77	ROPE	2.80	1.25	
78	WET PAPER	2.80	1.77	
79	WET WOOL, WET DOG	0.93	0.59	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	14.95	8.19	**
83	RAW POTATO	0.93	0.42	
84	MOUSE	0.93	0.72	
85	MUSHROOM	1.87	1.18	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	16.82	11.35	**
90	CORK	6.54	3.67	
91	BURNT, SMOKY	6.54	3.83	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	5.61	3.24	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.93	0.42	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	3.74	1.67	
100	CREOSOTE	0.93	0.72	
101	DISINFECTANT, CARBOLIC	6.54	3.32	
102	MEDICINAL	1.87	0.84	
103	CHEMICAL	11.21	7.24	*
104	BITTER	1.87	1.32	
105	SHARP, PUNGENT, ACID	5.61	2.90	
106	SOUR, VINEGAR	4.67	2.47	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.93	0.42	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.93	0.59	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	3.74	2.05	
118	OILY, FATTY	12.15	5.84	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	10.28	6.65	*
121	VARNISH	5.61	3.24	
122	POPCORN	0.93	0.59	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.87	0.84	
128	SWEATY	6.54	3.83	
129	CHEESY	0.93	0.59	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.93	0.59	
132	GARLIC, ONION	0.93	0.42	
133	METALLIC	5.61	2.90	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.93	0.59	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.74	1.87	
141	DRY, POWDERY	7.48	4.42	*
142	CHALKY	0.93	0.42	
143	LIGHT	32.71	21.84	*****
144	HEAVY	7.48	5.91	*
145	COOL, COOLING	9.35	5.12	*
146	WARM	8.41	5.61	*

TABLE 119—Propyl Butyrate

BUTANOIC ACID: PROPYL ESTER
BUTYRIC ACID: PROPYL ESTER
BUTYRATE, PROPYL

CHEM. ABSTR. REG. NO. 105-66-8
C7 H14 02
MOL. WT. 130.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 148
NUMBER WHO DETECTED ODOR..... 142
PERCENT WHO DETECTED ODOR..... 96

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

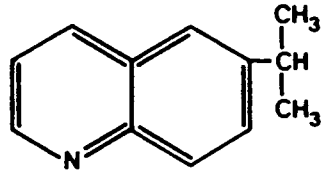
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	7.04	5.17	*
2	LEMON	4.23	2.44	
3	GRAPEFRUIT	0.70	0.45	
4	ORANGE	4.93	3.00	
5	FRUITY, OTHER THAN CITRUS	19.01	13.98	***
6	PINEAPPLE	6.34	4.82	*
7	GRAPE JUICE	1.41	1.26	
8	STRAWBERRY	4.23	3.36	
9	APPLE (FRUIT)	0.70	0.70	
10	PEAR	4.93	3.00	
11	CANTALOUPE, HONEY DEW MELON	4.93	3.00	
12	PEACH (FRUIT)	2.82	1.67	
13	BANANA	2.82	1.54	
14	FLORAL	4.93	3.33	
15	ROSE	0.70	0.31	
16	VIOLETS	1.41	0.63	
17	LAVENDER	1.41	0.77	
18	COLOGNE	2.82	1.26	
19	MUSK	0.70	0.45	
20	PERFUMERY	7.04	4.78	*
21	FRAGRANT	21.13	14.33	***
22	AROMATIC	23.24	14.70	***
23	HONEY	2.11	1.44	
24	CHERRY (BERRY)	3.52	2.73	
25	ALMOND	3.52	1.86	
26	NAIL POLISH REMOVER	1.41	1.09	
27	NUTTY (WALNUT ETC)	2.11	1.54	
28	SPICY	3.52	1.86	
29	CLOVE	0.70	0.55	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.70	0.31	
32	TEA LEAVES	1.41	1.09	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.41	1.18	
35	GREEN PEPPER	2.11	1.54	
36	DILL	2.11	1.34	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	7.04	3.98	
39	WOODY, RESINOUS	12.68	7.79	*
40	CEDARWOOD	2.11	1.09	
41	MOTHBALLS	2.11	1.54	
42	MINTY, PEPPERMINT	8.45	5.00	*
43	CAMPHOR	2.82	1.78	
44	EUCALIPTUS	0.70	0.31	
45	CHOCOLATE	2.11	1.64	
46	VANILLA	2.11	1.44	
47	SWEET	27.46	19.96	****
48	MAPLE SYRUP	0.70	0.45	
49	CARAMEL	2.11	0.94	
50	MALTY	2.11	1.34	
51	RAISINS	2.82	1.54	
52	MOLASSES	1.41	0.77	
53	COCONUT	0.70	0.45	
54	ANISE (LICORICE)	1.41	0.77	
55	ALCOHOLIC	3.52	1.86	
56	ETHERISH, ANAESTHETIC	7.04	4.11	*
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	2.82	1.78	
59	TURPENTINE (PINE OIL)	3.52	1.72	
60	GERANIUM LEAVES	2.11	1.34	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.70	0.55	

63	CRUSHED WEEDS	0.70	0.70	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.93	3.23	
66	RAW CUCUMBER	1.41	1.18	
67	HAY	1.41	1.18	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	6.34	4.33	*
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	11.27	8.45	**
72	FERMENTED (ROTTEN) FRUIT	8.45	5.67	*
73	BEERY	1.41	0.63	
74	SOAPY	2.82	2.09	
75	LEATHER	4.93	3.12	
76	CARDBOARD	3.52	2.23	
77	ROPE	2.82	1.78	
78	WET PAPER	2.11	1.44	
79	WET WOOL, WET DOG	4.23	2.44	
80	DIRTY LINEN	5.63	3.45	
81	STALE	7.04	5.08	*
82	MUSTY, EARTHY, MOLDY	16.20	10.02	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	2.82	2.09	
85	MUSHROOM	2.11	1.09	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.70	0.31	
89	BARK, BIRCH BARK	2.82	2.18	
90	CORK	2.11	1.44	
91	BURNT, SMOKY	4.93	3.00	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	3.52	2.63	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.70	0.31	
96	BURNT PAPER	2.11	1.64	
97	BURNT MILK	0.70	0.70	
98	BURNT RUBBER	0.70	0.70	
99	TAR	2.11	1.09	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	4.93	3.33	
102	MEDICINAL	8.45	5.34	*
103	CHEMICAL	8.45	5.67	*
104	BITTER	2.82	1.99	
105	SHARP, PUNGENT, ACID	23.94	17.42	****
106	SOUR, VINEGAR	42.25	32.73	********
107	SAUERKRAUT	2.82	1.78	
108	AMMONIA	1.41	0.63	
109	URINE	5.63	4.36	*
110	CAT URINE	2.82	1.78	
111	FISHY	2.11	1.44	
112	KIPPERY (SMOKED FISH)	0.70	0.55	
113	SEMINAL, SPERM-LIKE	0.70	0.31	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.70	0.31	
116	BURNT CANDLE	0.70	0.70	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	16.20	10.35	**
119	BUTTERY, FRESH BUTTER	4.93	3.12	
120	PAINT	7.04	4.11	*
121	VARNISH	2.11	0.94	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.11	1.72	
125	SOUPY	0.70	0.70	
126	COOKED VEGETABLES	0.70	0.70	
127	RANCID	27.46	20.63	*****
128	SWEATY	29.58	19.58	****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	3.52	2.11	
132	GARLIC, ONION	0.70	0.55	
133	METALLIC	3.52	2.34	
134	BLOOD, RAW MEAT	5.63	3.98	
135	ANIMAL	5.63	4.27	*
136	SEWER	4.23	2.99	
137	PUTRID, FOUL, DECAYED	24.65	18.54	****
138	FECAL (LIKE MANURE)	11.97	7.90	*
139	CADAVEROUS (DEAD ANIMAL)	4.93	3.23	
140	SICKENING	33.10	25.18	******
141	DRY, POWDERY	2.11	1.34	
142	CHALKY	0.00	0.00	
143	LIGHT	16.90	11.34	**
144	HEAVY	16.20	12.36	***
145	COOL, COOLING	9.86	6.56	*
146	WARM	8.45	6.36	*

TABLE 120—Propyl Quinoline: iso-Propyl Quinoline

QUINOLINE, 6-(1-METHYL ETHYL)
QUINOLINE, 6-ISOPROPYL
6-ISOPROPYL QUINOLINE

CHEM. ABSTR. REG. NO. 135-79-5
C12 H13 N1
MOL. WT. 171.1



CONCENTRATION, ML/LITER.....	10
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.71	0.45	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.71	0.45	
6	PINEAPPLE	0.71	0.32	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	1.43	0.90	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.14	1.11	
15	ROSE	0.71	0.32	
16	VIOLETS	1.43	0.64	
17	LAVENDER	1.43	1.01	
18	COLOGNE	0.00	0.00	
19	MUSK	3.57	2.47	
20	PERFUMERY	1.43	1.01	
21	FRAGRANT	17.14	12.52	***
22	AROMATIC	15.71	12.08	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.29	2.47	
26	NAIL POLISH REMOVER	0.71	0.32	
27	NUTTY (WALNUT ETC)	9.29	6.20	*
28	SPICY	7.14	4.63	*
29	CLOVE	1.43	0.90	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.43	0.78	
32	TEA LEAVES	1.43	0.78	
33	SEASONING (FOR MEAT)	2.14	1.66	
34	BLACK PEPPER	4.29	2.21	
35	GREEN PEPPER	23.57	18.53	****
36	DILL	5.00	3.87	
37	CARAWAY	0.71	0.32	
38	OAK WOOD, COGNAC	4.29	2.47	
39	WOODY, RESINOUS	41.43	28.68	*******
40	CEDARWOOD	5.00	2.67	
41	MOTHBALLS	1.43	1.01	
42	MINTY, PEPPERMINT	0.71	0.45	
43	CAMPHOR	2.86	1.43	
44	EUCALIPTUS	1.43	0.78	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	7.86	4.24	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.71	0.55	
50	MALTY	3.57	2.02	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.71	0.32	
55	ALCOHOLIC	0.71	0.55	
56	ETHERISH, ANAESTHETIC	2.14	1.56	
57	CLEANING FLUID	0.71	0.45	
58	GASOLINE, SOLVENT	1.43	0.90	
59	TURPENTINE (PINE OIL)	4.29	2.93	
60	GERANIUM LEAVES	8.57	5.07	*
61	CELERY	12.14	7.79	*
62	FRESH GREEN VEGETABLES	23.57	18.71	****

63	CRUSHED WEEDS	26.43	17.38	****
64	CRUSHED GRASS	20.71	13.65	***
65	HERBAL, GREEN, CUT GRASS	40.71	30.12	*******
66	RAW CUCUMBER	8.57	5.86	*
67	HAY	10.00	6.65	*
68	GRAINY (AS GRAIN)	5.71	3.73	
69	YEASTY	5.00	3.16	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.71	0.71	
73	BEERY	0.00	0.00	
74	SOAPY	0.71	0.55	
75	LEATHER	3.57	2.26	
76	CARDBOARD	7.14	4.63	*
77	ROPE	2.86	2.02	
78	WET PAPER	8.57	5.31	*
79	WET WOOL, WET DOG	7.14	4.40	*
80	DIRTY LINEN	4.29	2.35	
81	STALE	12.86	9.19	**
82	MUSTY, EARTHY, MOLDY	61.43	44.73	**********
83	RAW POTATO	25.00	17.42	****
84	MOUSE	0.71	0.32	
85	MUSHROOM	9.29	6.20	*
86	PEANUT BUTTER	1.43	0.90	
87	BEANY	7.86	5.08	*
88	EGGY (FRESH EGGS)	0.71	0.32	
89	BARK, BIRCH BARK	19.29	11.26	**
90	CORK	5.00	2.80	
91	BURNT, SMOKY	20.00	13.52	***
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.86	1.81	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.86	1.56	
96	BURNT PAPER	3.57	2.14	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.43	1.01	
99	TAR	3.57	2.26	
100	CREOSOTE	5.71	3.00	
101	DISINFECTANT, CARBOLIC	2.86	2.02	
102	MEDICINAL	7.14	4.95	*
103	CHEMICAL	11.43	8.18	**
104	BITTER	7.86	5.08	*
105	SHARP, PUNGENT, ACID	13.57	9.02	**
106	SOUR, VINEGAR	9.29	5.28	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.14	1.11	
109	URINE	0.00	0.00	
110	CAT URINE	0.71	0.32	
111	FISHY	0.71	0.32	
112	KIPPERY (SMOKED FISH)	0.71	0.45	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	2.14	1.24	
115	SOOTY	4.29	2.71	
116	BURNT CANDLE	0.71	0.32	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	7.86	4.74	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	4.29	2.60	
121	VARNISH	1.43	0.78	
122	POPCORN	0.71	0.32	
123	FRIED CHICKEN	0.71	0.45	
124	MEATY (COOKED, GOOD)	0.71	0.55	
125	SOUPY	1.43	0.90	
126	COOKED VEGETABLES	15.71	10.59	**
127	RANCID	12.14	6.97	*
128	SWEATY	12.14	7.09	*
129	CHEESY	0.71	0.32	
130	HOUSEHOLD GAS	0.71	0.45	
131	SULFIDIC	3.57	2.37	
132	GARLIC, ONION	3.57	2.14	
133	METALLIC	5.00	3.16	
134	BLOOD, RAW MEAT	1.43	1.11	
135	ANIMAL	2.86	1.43	
136	SEWER	0.71	0.55	
137	PUTRID, FOUL, DECAYED	13.57	8.00	*
138	FECAL (LIKE MANURE)	1.43	0.78	
139	CADAVEROUS (DEAD ANIMAL)	1.43	0.90	
140	SICKENING	16.43	11.15	**
141	DRY, POWDERY	16.43	11.05	**
142	CHALKY	5.00	3.16	
143	LIGHT	7.86	4.74	*
144	HEAVY	21.43	15.55	***
145	COOL, COOLING	5.71	3.38	
146	WARM	10.71	7.53	*

TABLE 121—Propyl Sulfide

DIPROPYL SULFIDE
1,1'-THIOBISPROPANE

CHEM. ABSTR. REG. NO. 111-47-7
C6 H14 S1
MOL. WT. 118.2

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 132
PERCENT WHO DETECTED ODOR..... 94

$CH_3(CH_2)_2-S-(CH_2)_2CH_3$

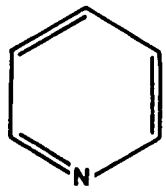
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.76	0.48	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.27	1.76	
6	PINEAPPLE	0.76	0.34	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.76	0.34	
9	APPLE (FRUIT)	0.76	0.48	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.76	0.34	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.27	1.55	
15	ROSE	0.76	0.59	
16	VIOLETS	0.76	0.48	
17	LAVENDER	2.27	1.17	
18	COLOGNE	0.00	0.00	
19	MUSK	2.27	1.02	
20	PERFUMERY	5.30	3.80	
21	FRAGRANT	9.85	6.69	*
22	AROMATIC	18.18	13.48	***
23	HONEY	1.52	0.83	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	6.06	4.07	*
26	NAIL POLISH REMOVER	0.76	0.34	
27	NUTTY (WALNUT ETC)	4.55	2.62	
28	SPICY	5.30	3.80	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.52	0.83	
33	SEASONING (FOR MEAT)	2.27	1.17	
34	BLACK PEPPER	1.52	1.27	
35	GREEN PEPPER	1.52	1.17	
36	DILL	2.27	1.86	
37	CARAWAY	0.76	0.34	
38	OAK WOOD, COGNAC	3.79	2.27	
39	WOODY, RESINOUS	28.79	18.68	****
40	CEDARWOOD	4.55	2.35	
41	MOTHBALLS	2.27	1.17	
42	MINTY, PEPPERMINT	0.76	0.34	
43	CAMPHOR	2.27	1.02	
44	EUCALIPTUS	1.52	0.83	
45	CHOCOLATE	1.52	0.68	
46	VANILLA	0.76	0.34	
47	SWEET	8.33	5.50	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.27	1.17	
51	RAISINS	0.76	0.34	
52	MOLASSES	0.76	0.48	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.03	1.79	
56	ETHERISH, ANAESTHETIC	9.09	5.87	*
57	CLEANING FLUID	4.55	3.11	
58	GASOLINE, SOLVENT	12.12	7.90	*
59	TURPENTINE (PINE OIL)	6.06	4.18	*
60	GERANIUM LEAVES	2.27	1.44	
61	CELERY	1.52	0.83	
62	FRESH GREEN VEGETABLES	3.03	1.36	

63	CRUSHED WEEDS	4.55	2.99	
64	CRUSHED GRASS	3.79	3.12	
65	HERBAL, GREEN, CUT GRASS	13.64	8.74	**
66	RAW CUCUMBER	3.03	1.66	
67	HAY	3.03	1.79	
68	GRAINY (AS GRAIN)	3.79	2.40	
69	YEASTY	3.79	1.86	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.52	0.83	
72	FERMENTED (ROTTEN) FRUIT	3.03	1.66	
73	BEERY	1.52	0.83	
74	SOAPY	3.03	1.79	
75	LEATHER	3.79	2.14	
76	CARDBOARD	8.33	5.27	*
77	ROPE	6.06	3.32	
78	WET PAPER	4.55	2.87	
79	WET WOOL, WET DOG	2.27	1.31	
80	DIRTY LINEN	5.30	2.83	
81	STALE	8.33	5.50	*
82	MUSTY, EARTHY, MOLDY	22.73	15.08	***
83	RAW POTATO	0.76	0.34	
84	MOUSE	2.27	1.31	
85	MUSHROOM	4.55	3.11	
86	PEANUT BUTTER	0.76	0.34	
87	BEANY	1.52	1.07	
88	EGGY (FRESH EGGS)	0.76	0.34	
89	BARK, BIRCH BARK	6.82	4.19	*
90	CORK	4.55	2.62	
91	BURNT, SMOKY	12.88	8.38	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.76	0.59	
94	COFFEE	0.76	0.59	
95	STALE TOBACCO SMOKE	3.03	1.66	
96	BURNT PAPER	3.03	2.14	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	3.03	2.35	
99	TAR	7.58	4.79	*
100	CREOSOTE	3.79	2.40	
101	DISINFECTANT, CARBOLIC	6.06	3.59	
102	MEDICINAL	9.85	6.11	*
103	CHEMICAL	18.18	13.38	***
104	BITTER	4.55	2.99	
105	SHARP, PUNGENT, ACID	22.73	15.30	***
106	SOUR, VINEGAR	21.97	13.41	***
107	SAUERKRAUT	2.27	1.17	
108	AMMONIA	4.55	2.62	
109	URINE	2.27	1.55	
110	CAT URINE	2.27	1.55	
111	FISHY	2.27	1.17	
112	KIPPERY (SMOKED FISH)	1.52	0.68	
113	SEMINAL, SPERM-LIKE	0.76	0.48	
114	NEW RUBBER	3.03	2.62	
115	SOOTY	3.03	2.14	
116	BURNT CANDLE	3.79	1.69	
117	KEROSENE	3.79	2.40	
118	OILY, FATTY	20.45	14.08	***
119	BUTTERY, FRESH BUTTER	2.27	1.31	
120	PAINT	8.33	4.35	*
121	VARNISH	4.55	2.49	
122	POPCORN	0.76	0.34	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.76	0.34	
125	SOUPY	0.76	0.48	
126	COOKED VEGETABLES	3.03	2.03	
127	RANCID	12.12	8.24	**
128	SWEATY	18.94	12.45	***
129	CHEESY	0.76	0.34	
130	HOUSEHOLD GAS	4.55	2.62	
131	SULFIDIC	7.58	4.29	*
132	GARLIC, ONION	10.61	7.61	*
133	METALLIC	10.61	6.59	*
134	BLOOD, RAW MEAT	3.79	1.86	
135	ANIMAL	2.27	1.31	
136	SEWER	2.27	1.55	
137	PUTRID, FOUL, DECAYED	9.85	6.11	*
138	FECAL (LIKE MANURE)	3.03	1.52	
139	CADAVEROUS (DEAD ANIMAL)	3.03	1.36	
140	SICKENING	32.58	21.19	*****
141	DRY, POWDERY	3.03	1.92	
142	CHALKY	0.00	0.00	
143	LIGHT	12.12	8.02	**
144	HEAVY	18.18	12.53	***
145	COOL, COOLING	6.82	4.55	*
146	WARM	8.33	5.27	*

TABLE 122—Pyridine

CHEM. ABSTR. REG. NO. 110-86-1
C5 H5 N1
MOL. WT. 79.1



CONCENTRATION, ML/LITER..... 150
NUMBER OF EVALUATORS..... 149
NUMBER WHO DETECTED ODOR..... 149
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

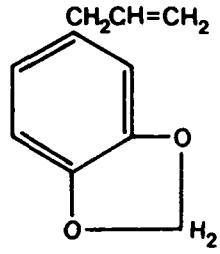
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.67	0.56	
2	LEMON	0.34	0.15	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.34	0.34	
6	PINEAPPLE	0.34	0.30	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	1.01	0.51	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	1.35	0.67	
15	ROSE	0.34	0.15	
16	VIOLETS	0.34	0.15	
17	LAVENDER	0.34	0.15	
18	COLOGNE	0.00	0.00	
19	MUSK	7.75	5.26	*
20	PERFUMERY	1.01	0.58	
21	FRAGRANT	11.46	8.56	**
22	AROMATIC	21.21	17.48	****
23	HONEY	0.34	0.15	
24	CHERRY (BERRY)	0.34	0.15	
25	ALMOND	3.03	1.79	
26	NAIL POLISH REMOVER	5.04	3.29	
27	NUTTY (WALNUT ETC)	1.68	1.06	
28	SPICY	5.05	3.63	
29	CLOVE	0.34	0.15	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.34	0.21	
33	SEASONING (FOR MEAT)	2.36	1.44	
34	BLACK PEPPER	0.67	0.37	
35	GREEN PEPPER	1.35	0.79	
36	DILL	4.72	3.42	
37	CARAWAY	1.34	0.60	
38	OAK WOOD, COGNAC	2.36	1.26	
39	WOODY, RESINOUS	8.09	5.17	*
40	CEDARWOOD	0.67	0.47	
41	MOTHBALLS	2.36	1.32	
42	MINTY, PEPPERMINT	0.34	0.26	
43	CAMPHOR	4.73	3.04	
44	EUCALIPTUS	1.35	1.04	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.01	0.52	
47	SWEET	6.07	3.99	
48	MAPLE SYRUP	0.67	0.49	
49	CARAMEL	1.01	0.52	
50	MALTY	2.36	1.48	
51	RAISINS	0.00	0.00	
52	MOLASSES	1.35	0.84	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	9.09	6.24	*
56	ETHERISH, ANAESTHETIC	20.21	14.57	***
57	CLEANING FLUID	8.43	5.64	*
58	GASOLINE, SOLVENT	12.81	8.70	**
59	TURPENTINE (PINE OIL)	3.37	2.32	
60	GERANIUM LEAVES	0.68	0.43	
61	CELERY	1.01	0.45	
62	FRESH GREEN VEGETABLES	1.01	0.45	

63	CRUSHED WEEDS	2.02	1.22	
64	CRUSHED GRASS	2.02	1.37	
65	HERBAL, GREEN, CUT GRASS	3.37	2.05	
66	RAW CUCUMBER	0.67	0.36	
67	HAY	1.01	0.58	
68	GRAINY (AS GRAIN)	0.34	0.15	
69	YEASTY	3.03	1.99	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	2.36	1.69	
72	FERMENTED (ROTTEN) FRUIT	6.74	4.81	*
73	BEERY	1.35	0.60	
74	SOAPY	0.34	0.15	
75	LEATHER	4.72	2.38	
76	CARDBOARD	2.02	1.22	
77	ROPE	1.01	0.63	
78	WET PAPER	1.68	1.41	
79	WET WOOL, WET DOG	7.07	4.19	*
80	DIRTY LINEN	5.06	3.55	
81	STALE	7.75	5.36	*
82	MUSTY, EARTHY, MOLDY	14.82	10.28	**
83	RAW POTATO	2.36	1.30	
84	MOUSE	3.04	1.92	
85	MUSHROOM	2.36	1.54	
86	PEANUT BUTTER	1.01	0.74	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.34	0.21	
89	BARK, BIRCH BARK	2.02	1.28	
90	CORK	1.69	1.15	
91	BURNT, SMOKY	15.16	9.79	**
92	FRESH TOBACCO SMOKE	0.67	0.41	
93	INCENSE	0.68	0.37	
94	COFFEE	0.67	0.30	
95	STALE TOBACCO SMOKE	4.72	2.74	
96	BURNT PAPER	2.70	1.41	
97	BURNT MILK	1.35	0.82	
98	BURNT RUBBER	6.41	4.41	*
99	TAR	5.05	3.35	
100	CREOSOTE	8.76	5.90	*
101	DISINFECTANT, CARBOLIC	10.44	7.24	*
102	MEDICINAL	18.87	12.40	***
103	CHEMICAL	40.75	33.13	********
104	BITTER	8.08	6.30	*
105	SHARP, PUNGENT, ACID	48.49	39.63	*********
106	SOUR, VINEGAR	22.22	15.95	***
107	SAUERKRAUT	4.04	2.33	
108	AMMONIA	16.16	11.04	**
109	URINE	8.08	5.42	*
110	CAT URINE	10.44	6.39	*
111	FISHY	29.30	23.11	*****
112	KIPPERY (SMOKED FISH)	9.08	6.81	*
113	SEMINAL, SPERM-LIKE	3.71	2.17	
114	NEW RUBBER	4.04	2.21	
115	SOOTY	1.68	0.94	
116	BURNT CANDLE	2.02	1.11	
117	KEROSENE	3.37	1.96	
118	OILY, FATTY	19.19	13.10	***
119	BUTTERY, FRESH BUTTER	1.34	0.97	
120	PAINT	4.72	2.98	
121	VARNISH	4.04	2.39	
122	POPCORN	0.34	0.34	
123	FRIED CHICKEN	1.01	0.63	
124	MEATY (COOKED, GOOD)	2.69	1.95	
125	SOUPY	1.01	0.51	
126	COOKED VEGETABLES	3.03	1.99	
127	RANCID	27.95	20.94	*****
128	SWEATY	19.53	13.26	***
129	CHEESY	1.34	0.60	
130	HOUSEHOLD GAS	11.12	7.39	*
131	SULFIDIC	17.52	12.85	***
132	GARLIC, ONION	18.19	13.60	***
133	METALLIC	6.74	4.85	*
134	BLOOD, RAW MEAT	9.77	6.44	*
135	ANIMAL	8.43	6.35	*
136	SEWER	12.47	8.40	**
137	PUTRID, FOUL, DECAYED	40.74	31.77	*******
138	FECAL (LIKE MANURE)	8.42	5.88	*
139	CADAVEROUS (DEAD ANIMAL)	18.20	12.76	***
140	SICKENING	73.07	62.61	**********
141	DRY, POWDERY	1.01	0.63	
142	CHALKY	0.68	0.30	
143	LIGHT	4.04	2.85	
144	HEAVY	45.80	39.46	*********
145	COOL, COOLING	3.03	1.96	
146	WARM	9.77	7.16	*

TABLE 123—Safrole

BENZENE, 4-ALLYL-1,2-(METHYLENEDIOXY)

CHEM. ABSTR. REG. NO. 94-59-7
C10 H10 02
MOL. WT. 162.2



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	140
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

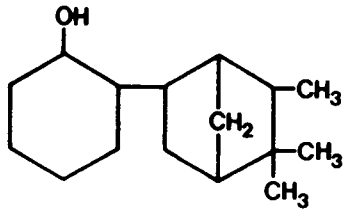
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.29	2.71	
2	LEMON	1.43	0.90	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	6.43	4.49	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.43	0.64	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.71	0.32	
13	BANANA	1.43	1.01	
14	FLORAL	7.86	4.97	*
15	ROSE	2.86	1.43	
16	VIOLETS	1.43	0.78	
17	LAVENDER	5.71	2.71	
18	COLOGNE	2.14	1.11	
19	MUSK	2.14	1.46	
20	PERFUMERY	15.00	10.25	**
21	FRAGRANT	51.43	37.66	*********
22	AROMATIC	56.43	42.97	**********
23	HONEY	2.14	1.36	
24	CHERRY (BERRY)	2.86	1.81	
25	ALMOND	7.86	4.24	*
26	NAIL POLISH REMOVER	2.86	1.28	
27	NUTTY (WALNUT ETC)	2.14	0.96	
28	SPICY	37.86	25.79	******
29	CLOVE	12.86	7.79	*
30	CINNAMON	7.86	4.37	*
31	LAUREL LEAVES	2.86	1.28	
32	TEA LEAVES	6.43	3.83	
33	SEASONING (FOR MEAT)	1.43	0.64	
34	BLACK PEPPER	2.86	1.43	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.43	1.11	
37	CARAWAY	3.57	1.89	
38	OAK WOOD, COGNAC	2.14	0.96	
39	WOODY, RESINOUS	27.14	15.88	***
40	CEDARWOOD	9.29	5.98	*
41	MOTHBALLS	3.57	1.89	
42	MINTY, PEPPERMINT	37.86	26.00	******
43	CAMPHOR	18.57	12.62	***
44	EUCALIPTUS	13.57	9.85	**
45	CHOCOLATE	0.00	0.00	
46	VANILLA	5.71	3.13	
47	SWEET	47.14	35.58	********
48	MAPLE SYRUP	3.57	1.75	
49	CARAMEL	2.14	1.11	
50	MALTY	2.14	0.96	
51	RAISINS	1.43	0.78	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.71	0.45	
54	ANISE (LICORICE)	69.29	56.45	**********
55	ALCOHOLIC	2.86	1.28	
56	ETHERISH, ANAESTHETIC	16.43	10.05	**
57	CLEANING FLUID	5.00	3.05	
58	GASOLINE, SOLVENT	3.57	2.37	
59	TURPENTINE (PINE OIL)	11.43	7.45	*
60	GERANIUM LEAVES	1.43	0.64	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.86	1.43	
64	CRUSHED GRASS	2.86	1.43	
65	HERBAL, GREEN, CUT GRASS	17.14	11.07	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.43	0.78	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.71	0.32	
70	BAKERY (FRESH BREAD)	0.71	0.45	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.71	0.32	
73	BEERY	2.14	1.56	
74	SOAPY	2.86	1.69	
75	LEATHER	2.14	0.96	
76	CARDBOARD	1.43	0.78	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.71	0.64	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	5.00	2.39	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.71	0.32	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	12.86	9.87	**
90	CORK	0.71	0.45	
91	BURNT, SMOKY	5.71	3.38	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.57	4.95	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.71	0.55	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.71	0.45	
99	TAR	7.86	4.37	*
100	CREOSOTE	7.14	3.64	
101	DISINFECTANT, CARBOLIC	10.00	6.09	*
102	MEDICINAL	26.43	16.71	****
103	CHEMICAL	8.57	5.75	*
104	BITTER	1.43	0.64	
105	SHARP, PUNGENT, ACID	10.00	7.07	*
106	SOUR, VINEGAR	4.29	2.07	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.71	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	5.71	3.38	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	5.00	3.48	
121	VARNISH	3.57	2.37	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.71	0.55	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.71	0.45	
127	RANCID	0.71	0.32	
128	SWEATY	5.00	2.80	
129	CHEESY	3.57	1.89	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.43	0.64	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.86	1.69	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.71	0.32	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.71	0.32	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.29	2.21	
141	DRY, POWDERY	6.43	4.29	*
142	CHALKY	1.43	1.01	
143	LIGHT	22.14	14.34	***
144	HEAVY	23.57	17.31	****
145	COOL, COOLING	35.00	24.49	******
146	WARM	17.86	12.68	***

TABLE 124—Sandiff

CYCLOHEXANOL, 2-(2-ISOCAMPHENYL)
CYCLOHEXANOL, 2-(5,5,6-TRIMETHYL-2-NORBORNYL)
(MIXTURE OF ISOMERS)

CHEM. ABSTR. REG. NO. 69460-08-8
C16 H28 01
MOL. WT. 236.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	128
NUMBER WHO DETECTED ODOR.....	124
PERCENT WHO DETECTED ODOR.....	97

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

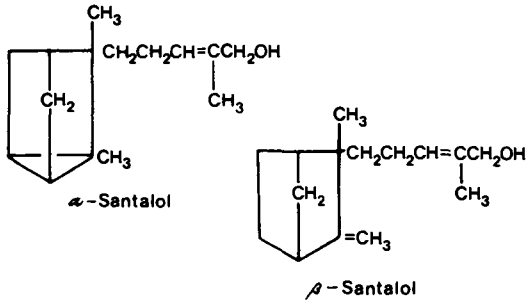
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.42	2.07	
2	LEMON	3.23	2.70	
3	GRAPEFRUIT	2.42	1.53	
4	ORANGE	1.61	1.44	
5	FRUITY, OTHER THAN CITRUS	1.61	1.02	
6	PINEAPPLE	0.81	0.36	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.81	0.36	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.81	0.81	
13	BANANA	0.00	0.00	
14	FLORAL	12.90	8.89	**
15	ROSE	4.84	3.31	
16	VIOLETS	2.42	1.25	
17	LAVENDER	2.42	1.25	
18	COLOGNE	12.90	10.20	**
19	MUSK	10.48	8.22	**
20	PERFUMERY	33.87	25.06	******
21	FRAGRANT	37.90	26.51	******
22	AROMATIC	24.19	17.78	****
23	HONEY	0.81	0.62	
24	CHERRY (BERRY)	0.81	0.36	
25	ALMOND	4.03	2.28	
26	NAIL POLISH REMOVER	2.42	1.65	
27	NUTTY (WALNUT ETC)	0.81	0.51	
28	SPICY	14.52	10.15	**
29	CLOVE	0.81	0.36	
30	CINNAMON	0.81	0.51	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.61	1.02	
33	SEASONING (FOR MEAT)	0.81	0.36	
34	BLACK PEPPER	3.23	2.70	
35	GREEN PEPPER	0.81	0.62	
36	DILL	0.81	0.62	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.03	2.28	
39	WOODY, RESINOUS	34.68	24.12	******
40	CEDARWOOD	25.00	19.47	****
41	MOTHBALLS	2.42	1.08	
42	MINTY, PEPPERMINT	0.81	0.36	
43	CAMPHOR	4.03	2.42	
44	EUCALIPTUS	3.23	2.04	
45	CHOCOLATE	0.81	0.62	
46	VANILLA	0.81	0.36	
47	SWEET	21.77	14.02	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	4.03	3.12	
56	ETHERISH, ANAESTHETIC	8.06	5.70	*
57	CLEANING FLUID	3.23	1.77	
58	GASOLINE, SOLVENT	3.23	1.91	
59	TURPENTINE (PINE OIL)	6.45	3.82	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.81	0.81	
64	CRUSHED GRASS	2.42	1.87	
65	HERBAL, GREEN, CUT GRASS	9.68	6.84	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.42	1.87	
68	GRAINY (AS GRAIN)	0.81	0.36	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	3.23	2.16	
75	LEATHER	1.61	1.14	
76	CARDBOARD	3.23	1.91	
77	ROPE	1.61	0.72	
78	WET PAPER	2.42	1.40	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	2.42	1.53	
81	STALE	4.03	2.79	
82	MUSTY, EARTHY, MOLDY	9.68	6.96	*
83	RAW POTATO	0.81	0.81	
84	MOUSE	0.81	0.36	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.81	0.51	
88	EGGY (FRESH EGGS)	0.81	0.51	
89	BARK, BIRCH BARK	5.65	3.93	
90	CORK	2.42	1.65	
91	BURNT, SMOKY	7.26	5.19	*
92	FRESH TOBACCO SMOKE	0.81	0.51	
93	INCENSE	7.26	4.46	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.81	0.51	
96	BURNT PAPER	1.61	1.14	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.81	0.36	
100	CREOSOTE	1.61	1.14	
101	DISINFECTANT, CARBOLIC	4.84	3.53	
102	MEDICINAL	5.65	3.82	
103	CHEMICAL	4.84	3.06	
104	BITTER	1.61	1.02	
105	SHARP, PUNGENT, ACID	9.68	6.25	*
106	SOUR, VINEGAR	3.23	1.61	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.61	0.72	
109	URINE	1.61	1.25	
110	CAT URINE	1.61	1.02	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	4.03	2.42	
116	BURNT CANDLE	0.81	0.51	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	4.03	1.98	
119	BUTTERY, FRESH BUTTER	1.61	1.02	
120	PAINT	1.61	0.88	
121	VARNISH	1.61	0.72	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.81	0.36	
124	MEATY (COOKED, GOOD)	0.81	0.72	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.81	0.51	
127	RANCID	0.81	0.36	
128	SWEATY	11.29	8.21	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.81	0.72	
131	SULFIDIC	2.42	1.40	
132	GARLIC, ONION	1.61	0.88	
133	METALLIC	1.61	1.14	
134	BLOOD, RAW MEAT	0.81	0.36	
135	ANIMAL	2.42	1.25	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.81	0.51	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.84	3.42	
141	DRY, POWDERY	8.87	5.61	*
142	CHALKY	0.00	0.00	
143	LIGHT	25.00	16.19	****
144	HEAVY	13.71	9.40	**
145	COOL, COOLING	10.48	6.88	*
146	WARM	12.10	7.65	

TABLE 125—Santalol

2-PENTEN-1-OL, 5-(2,3-DIMETHYLTRICYCLO(2.2.1.0(2,6)HEPT-3-YL)-2-METHYL
TRANS-SANTALOLS, MIXTURE OF ALPHA, EPI, BETA AND BETA
ARGEOL

CHEM. ABSTR. REG. NO. 115-71-9
C15 H24 O1
MOL. WT. 220.2



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	128
PERCENT WHO DETECTED ODOR.....	91

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

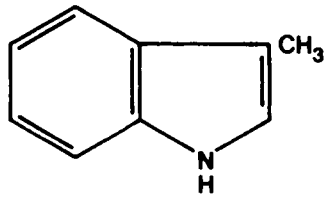
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.78	0.61	
2	LEMON	1.56	0.70	
3	GRAPEFRUIT	0.78	0.35	
4	ORANGE	0.78	0.61	
5	FRUITY, OTHER THAN CITRUS	3.91	2.34	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.78	0.49	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.78	0.35	
11	CANTALOUPE, HONEY DEW MELON	0.78	0.35	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.78	0.35	
14	FLORAL	21.09	13.34	***
15	ROSE	2.34	1.21	
16	VIOLETS	2.34	1.05	
17	LAVENDER	5.47	3.07	
18	COLOGNE	8.59	5.44	*
19	MUSK	14.06	9.72	**
20	PERFUMERY	32.81	22.53	*****
21	FRAGRANT	44.53	30.42	*******
22	AROMATIC	25.00	15.81	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.78	0.35	
25	ALMOND	3.13	1.85	
26	NAIL POLISH REMOVER	1.56	0.99	
27	NUTTY (WALNUT ETC)	4.69	2.42	
28	SPICY	5.47	3.33	
29	CLOVE	0.78	0.35	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.78	0.49	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.69	2.71	
39	WOODY, RESINOUS	35.16	23.90	*****
40	CEDARWOOD	24.22	17.51	****
41	MOTHBALLS	2.34	2.10	
42	MINTY, PEPPERMINT	1.56	0.70	
43	CAMPHOR	3.91	2.71	
44	EUCALIPTUS	1.56	0.99	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	23.44	14.95	***
48	MAPLE SYRUP	1.56	0.99	
49	CARAMEL	0.78	0.49	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.56	0.86	
56	ETHERISH, ANAESTHETIC	3.13	1.40	
57	CLEANING FLUID	1.56	0.70	
58	GASOLINE, SOLVENT	1.56	0.86	
59	TURPENTINE (PINE OIL)	3.91	2.07	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.78	0.35	
64	CRUSHED GRASS	0.78	0.35	
65	HERBAL, GREEN, CUT GRASS	7.03	4.32	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	1.56	0.70	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	7.03	4.45	*
75	LEATHER	2.34	1.21	
76	CARDBOARD	1.56	1.10	
77	ROPE	0.00	0.00	
78	WET PAPER	0.78	0.49	
79	WET WOOL, WET DOG	1.56	1.31	
80	DIRTY LINEN	0.78	0.35	
81	STALE	2.34	1.71	
82	MUSTY, EARTHY, MOLDY	7.81	4.42	*
83	RAW POTATO	0.78	0.49	
84	MOUSE	0.78	0.35	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	9.38	5.93	*
90	CORK	0.78	0.49	
91	BURNT, SMOKY	4.69	2.26	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	9.38	7.26	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.78	0.49	
96	BURNT PAPER	0.78	0.49	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.78	0.49	
100	CREOSOTE	1.56	0.70	
101	DISINFECTANT, CARBOLIC	2.34	1.35	
102	MEDICINAL	3.13	1.71	
103	CHEMICAL	3.91	2.59	
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	3.91	2.82	
106	SOUR, VINEGAR	4.69	2.10	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	3.13	2.10	
109	URINE	0.78	0.35	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.78	0.78	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	10.16	6.17	*
119	BUTTERY, FRESH BUTTER	1.56	1.10	
120	PAINT	6.25	4.74	*
121	VARNISH	0.78	0.35	
122	POPCORN	2.34	1.35	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.56	0.70	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	1.56	1.21	
128	SWEATY	7.03	4.92	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.78	0.35	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.78	0.35	
133	METALLIC	0.78	0.35	
134	BLOOD, RAW MEAT	1.56	0.99	
135	ANIMAL	0.78	0.35	
136	SEWER	0.78	0.61	
137	PUTRID, FOUL, DECAYED	0.78	0.61	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.78	0.35	
140	SICKENING	3.91	2.34	
141	DRY, POWDERY	15.63	10.13	**
142	CHALKY	0.78	0.61	
143	LIGHT	36.72	28.64	*******
144	HEAVY	8.59	5.91	*
145	COOL, COOLING	8.59	5.68	*
146	WARM	12.50	8.73	**

TABLE 126—Skatole

1H-INDOLE, 3-METHYL
3-METHYL INDOLE
INDOLE, 3-METHYL
BETA-METHYL INDOLE

CHEM. ABSTR. REG. NO. 83-34-1
C9 H9 N1
MOL. WT. 131.1



CONCENTRATION, G/LITER.....	5
NUMBER OF EVALUATORS.....	139
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

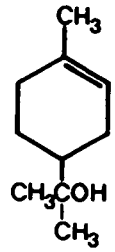
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS----------	0.00	0.00	
2	LEMON----------	0.00	0.00	
3	GRAPEFRUIT----------	0.00	0.00	
4	ORANGE----------	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS----------	0.00	0.00	
6	PINEAPPLE----------	0.00	0.00	
7	GRAPE JUICE----------	0.00	0.00	
8	STRAWBERRY----------	0.00	0.00	
9	APPLE (FRUIT)----------	0.00	0.00	
10	PEAR----------	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON--------	0.72	0.56	
12	PEACH (FRUIT)----------	0.00	0.00	
13	BANANA----------	0.00	0.00	
14	FLORAL----------	2.88	2.32	
15	ROSE----------	0.00	0.00	
16	VIOLETS----------	0.72	0.32	
17	LAVENDER----------	1.44	0.64	
18	COLOGNE----------	2.16	0.97	
19	MUSK----------	10.07	5.90	*
20	PERFUMERY----------	3.60	2.79	
21	FRAGRANT----------	17.99	12.56	***
22	AROMATIC----------	18.71	14.49	***
23	HONEY----------	0.72	0.64	
24	CHERRY (BERRY)----------	0.72	0.56	
25	ALMOND----------	1.44	0.91	
26	NAIL POLISH REMOVER----------	0.72	0.32	
27	NUTTY (WALNUT ETC)----------	0.72	0.32	
28	SPICY----------	2.88	1.44	
29	CLOVE----------	0.00	0.00	
30	CINNAMON----------	0.72	0.32	
31	LAUREL LEAVES----------	0.00	0.00	
32	TEA LEAVES----------	0.00	0.00	
33	SEASONING (FOR MEAT)----------	0.72	0.46	
34	BLACK PEPPER----------	2.16	1.25	
35	GREEN PEPPER----------	0.00	0.00	
36	DILL----------	1.44	0.64	
37	CARAWAY----------	0.00	0.00	
38	OAK WOOD, COGNAC----------	1.44	0.91	
39	WOODY, RESINOUS----------	17.27	10.09	**
40	CEDARWOOD----------	8.63	6.21	*
41	MOTHBALLS----------	44.60	37.40	*********
42	MINTY, PEPPERMINT----------	0.00	0.00	
43	CAMPHOR----------	9.35	7.06	*
44	EUCALIPTUS----------	1.44	0.64	
45	CHOCOLATE----------	0.00	0.00	
46	VANILLA----------	0.00	0.00	
47	SWEET----------	5.76	3.40	
48	MAPLE SYRUP----------	0.00	0.00	
49	CARAMEL----------	0.00	0.00	
50	MALTY----------	1.44	0.64	
51	RAISINS----------	0.00	0.00	
52	MOLASSES----------	0.00	0.00	
53	COCONUT----------	1.44	0.64	
54	ANISE (LICORICE)----------	0.00	0.00	
55	ALCOHOLIC----------	0.72	0.46	
56	ETHERISH, ANAESTHETIC----------	10.07	6.02	*
57	CLEANING FLUID----------	8.63	4.98	*
58	GASOLINE, SOLVENT----------	8.63	5.57	*
59	TURPENTINE (PINE OIL)----------	8.63	4.98	*
60	GERANIUM LEAVES----------	0.00	0.00	
61	CELERY----------	0.00	0.00	
62	FRESH GREEN VEGETABLES----------	0.00	0.00	

63	CRUSHED WEEDS	1.44	0.79	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.00	0.00	
66	RAW CUCUMBER	0.72	0.32	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	2.16	1.37	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	2.16	1.11	
72	FERMENTED (ROTTEN) FRUIT	3.60	2.79	
73	BEERY	0.00	0.00	
74	SOAPY	1.44	1.02	
75	LEATHER	4.32	2.73	
76	CARDBOARD	3.60	2.16	
77	ROPE	1.44	0.91	
78	WET PAPER	2.16	1.47	
79	WET WOOL, WET DOG	9.35	5.19	*
80	DIRTY LINEN	9.35	6.03	*
81	STALE	11.51	7.50	*
82	MUSTY, EARTHY, MOLDY	21.58	15.16	***
83	RAW POTATO	1.44	0.91	
84	MOUSE	5.04	3.81	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.72	0.32	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.60	2.16	
90	CORK	1.44	0.79	
91	BURNT, SMOKY	15.83	9.54	**
92	FRESH TOBACCO SMOKE	0.72	0.32	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	6.47	4.32	*
96	BURNT PAPER	4.32	2.84	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	5.04	3.30	
99	TAR	5.04	3.19	
100	CREOSOTE	10.79	6.23	*
101	DISINFECTANT, CARBOLIC	12.23	7.85	*
102	MEDICINAL	10.79	7.16	*
103	CHEMICAL	25.90	18.91	****
104	BITTER	7.19	5.09	*
105	SHARP, PUNGENT, ACID	23.02	16.88	****
106	SOUR, VINEGAR	14.39	9.76	**
107	SAUERKRAUT	1.44	0.91	
108	AMMONIA	7.19	4.19	*
109	URINE	7.19	5.29	*
110	CAT URINE	8.63	6.10	*
111	FISHY	4.32	2.95	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	2.88	1.58	
114	NEW RUBBER	0.72	0.46	
115	SOOTY	5.04	2.55	
116	BURNT CANDLE	1.44	0.91	
117	KEROSENE	2.88	1.70	
118	OILY, FATTY	10.79	6.71	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	1.44	1.02	
121	VARNISH	4.32	2.61	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.72	0.46	
124	MEATY (COOKED, GOOD)	2.88	1.70	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.44	0.64	
127	RANCID	22.30	15.51	***
128	SWEATY	20.14	13.94	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	5.04	2.82	
131	SULFIDIC	10.07	5.90	*
132	GARLIC, ONION	3.60	2.39	
133	METALLIC	5.04	3.51	
134	BLOOD, RAW MEAT	5.04	3.40	
135	ANIMAL	12.95	10.57	**
136	SEWER	18.71	15.21	***
137	PUTRID, FOUL, DECAYED	31.65	24.80	******
138	FECAL (LIKE MANURE)	28.06	21.73	*****
139	CADAVEROUS (DEAD ANIMAL)	12.95	9.56	**
140	SICKENING	49.64	40.00	*********
141	DRY, POWDERY	5.76	3.02	
142	CHALKY	0.72	0.32	
143	LIGHT	3.60	2.03	
144	HEAVY	29.50	23.31	*****
145	COOL, COOLING	6.47	4.32	*
146	WARM	12.23	9.75	**

TABLE 127—Terpineol, mostly alpha-Terpineol

ALPHA,ALPHA,4-TRIMETHYL-3-CYCLOHEXENE-1-METHANOL
P-MENTH-3-EN-8-OL

CHEM. ABSTR. REG. NO. 10482-56-1
C10 H18 O1
MOL. WT. 154.3



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	139
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

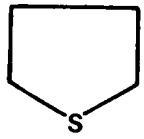
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.60	2.28	
2	LEMON	2.88	1.93	
3	GRAPEFRUIT	0.72	0.64	
4	ORANGE	1.44	1.02	
5	FRUITY, OTHER THAN CITRUS	5.04	2.95	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.72	0.46	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	0.72	0.32	
14	FLORAL	24.46	18.67	****
15	ROSE	12.23	9.19	**
16	VIOLETS	3.60	2.49	
17	LAVENDER	3.60	1.90	
18	COLOGNE	6.47	3.61	
19	MUSK	3.60	2.59	
20	PERFUMERY	22.30	15.51	***
21	FRAGRANT	38.13	26.60	******
22	AROMATIC	34.53	24.72	******
23	HONEY	2.88	1.58	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.32	2.23	
26	NAIL POLISH REMOVER	5.04	2.82	
27	NUTTY (WALNUT ETC)	1.44	0.79	
28	SPICY	6.47	3.74	
29	CLOVE	2.16	1.47	
30	CINNAMON	2.16	1.58	
31	LAUREL LEAVES	0.72	0.46	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.88	1.58	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.60	1.90	
39	WOODY, RESINOUS	26.62	18.46	****
40	CEDARWOOD	10.07	6.48	*
41	MOTHBALLS	5.76	3.02	
42	MINTY, PEPPERMINT	11.51	6.56	*
43	CAMPHOR	10.79	7.68	*
44	EUCALIPTUS	4.32	2.84	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.72	0.32	
47	SWEET	23.74	15.79	***
48	MAPLE SYRUP	0.72	0.32	
49	CARAMEL	0.72	0.32	
50	MALTY	0.00	0.00	
51	RAISINS	0.72	0.32	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.16	1.25	
55	ALCOHOLIC	7.19	4.07	*
56	ETHERISH, ANAESTHETIC	19.42	12.40	***
57	CLEANING FLUID	15.83	10.46	**
58	GASOLINE, SOLVENT	11.51	7.17	*
59	TURPENTINE (PINE OIL)	30.22	23.03	*****
60	GERANIUM LEAVES	3.60	2.03	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.44	0.91	
64	CRUSHED GRASS	2.16	1.11	
65	HERBAL, GREEN, CUT GRASS	15.11	9.32	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.72	0.32	
68	GRAINY (AS GRAIN)	0.72	0.46	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.72	0.32	
73	BEERY	0.72	0.32	
74	SOAPY	10.07	6.26	*
75	LEATHER	5.76	3.28	
76	CARDBOARD	2.16	1.67	
77	ROPE	1.44	0.64	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	1.44	0.64	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.16	1.47	
82	MUSTY, EARTHY, MOLDY	11.51	7.28	*
83	RAW POTATO	2.16	1.37	
84	MOUSE	0.00	0.00	
85	MUSHROOM	2.88	1.82	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	3.60	2.49	
90	CORK	1.44	0.79	
91	BURNT, SMOKY	5.04	3.19	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	7.91	5.12	*
94	COFFEE	0.72	0.32	
95	STALE TOBACCO SMOKE	2.16	1.11	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.72	0.56	
99	TAR	3.60	1.61	
100	CREOSOTE	4.32	2.73	
101	DISINFECTANT, CARBOLIC	30.94	23.59	*****
102	MEDICINAL	17.99	11.15	**
103	CHEMICAL	24.46	16.57	****
104	BITTER	5.04	2.69	
105	SHARP, PUNGENT, ACID	10.79	6.71	*
106	SOUR, VINEGAR	5.04	2.95	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.04	3.61	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.72	0.32	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	1.44	0.64	
117	KEROSENE	2.16	1.37	
118	OILY, FATTY	8.63	5.35	*
119	BUTTERY, FRESH BUTTER	1.44	1.11	
120	PAINT	14.39	9.86	**
121	VARNISH	10.79	5.98	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.16	1.67	
128	SWEATY	6.47	4.21	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.88	1.70	
132	GARLIC, ONION	1.44	0.79	
133	METALLIC	0.72	0.46	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	1.44	0.79	
137	PUTRID, FOUL, DECAYED	3.60	2.49	
138	FECAL (LIKE MANURE)	0.72	0.32	
139	CADAVEROUS (DEAD ANIMAL)	0.72	0.32	
140	SICKENING	5.04	3.07	
141	DRY, POWDERY	10.79	6.83	*
142	CHALKY	1.44	0.91	
143	LIGHT	25.90	17.37	****
144	HEAVY	13.67	10.02	**
145	COOL, COOLING	19.42	13.16	***
146	WARM	10.07	7.12	*

TABLE 128—Tetrahydro Thiophene

THIOPHENE, TETRAHYDRO

CHEM. ABSTR. REG. NO. 110-01-0
C4 H8 S1
MOL. WT. 88.0



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	127
NUMBER WHO DETECTED ODOR.....	125
PERCENT WHO DETECTED ODOR.....	98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

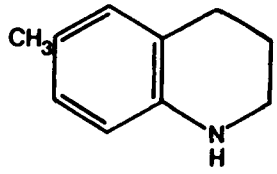
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.80	0.51	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.80	0.36	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	4.00	2.99	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	6.40	5.16	*
22	AROMATIC	18.40	16.00	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.80	0.62	
26	NAIL POLISH REMOVER	2.40	1.64	
27	NUTTY (WALNUT ETC)	0.80	0.36	
28	SPICY	5.60	3.67	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.60	0.88	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.80	0.36	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	1.60	0.88	
36	DILL	3.20	1.75	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	5.60	3.28	
40	CEDARWOOD	0.80	0.80	
41	MOTHBALLS	1.60	1.43	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	1.60	1.01	
44	EUCALIPTUS	1.60	1.13	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.80	0.36	
47	SWEET	3.20	2.26	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.80	0.36	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.80	0.80	
53	COCONUT	0.80	0.36	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	5.60	3.54	
56	ETHERISH, ANAESTHETIC	9.60	7.44	*
57	CLEANING FLUID	9.60	6.79	*
58	GASOLINE, SOLVENT	27.20	21.07	*****
59	TURPENTINE (PINE OIL)	4.80	3.28	
60	GERANIUM LEAVES	1.60	0.88	
61	CELERY	0.80	0.36	
62	FRESH GREEN VEGETABLES	1.60	0.88	

63	CRUSHED WEEDS	0.80	0.51	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	1.60	1.01	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.80	0.36	
68	GRAINY (AS GRAIN)	0.80	0.80	
69	YEASTY	0.80	0.36	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.80	0.36	
72	FERMENTED (ROTTEN) FRUIT	1.60	1.43	
73	BEERY	2.40	1.24	
74	SOAPY	0.00	0.00	
75	LEATHER	2.40	1.52	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	2.40	1.39	
79	WET WOOL, WET DOG	1.60	1.34	
80	DIRTY LINEN	0.80	0.36	
81	STALE	0.80	0.51	
82	MUSTY, EARTHY, MOLDY	6.40	4.75	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.80	0.36	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.80	0.51	
90	CORK	0.80	0.51	
91	BURNT, SMOKY	2.40	1.39	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.80	0.36	
96	BURNT PAPER	1.60	1.43	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	4.80	3.28	
99	TAR	2.40	1.39	
100	CREOSOTE	2.40	1.86	
101	DISINFECTANT, CARBOLIC	8.00	6.20	*
102	MEDICINAL	8.80	6.50	*
103	CHEMICAL	31.20	25.86	******
104	BITTER	4.00	2.53	
105	SHARP, PUNGENT, ACID	52.80	43.31	**********
106	SOUR, VINEGAR	22.40	17.25	****
107	SAUERKRAUT	2.40	1.96	
108	AMMONIA	7.20	4.80	*
109	URINE	1.60	0.88	
110	CAT URINE	2.40	1.64	
111	FISHY	0.80	0.80	
112	KIPPERY (SMOKED FISH)	0.80	0.36	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.60	1.24	
115	SOOTY	2.40	1.52	
116	BURNT CANDLE	1.60	1.01	
117	KEROSENE	7.20	4.80	*
118	OILY, FATTY	12.00	8.76	**
119	BUTTERY, FRESH BUTTER	0.80	0.36	
120	PAINT	4.80	3.28	
121	VARNISH	4.00	2.12	
122	POPCORN	0.80	0.36	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.80	0.36	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.80	0.51	
127	RANCID	16.00	13.39	***
128	SWEATY	12.00	8.54	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	15.20	11.98	**
131	SULFIDIC	10.40	8.36	**
132	GARLIC, ONION	26.40	22.70	*****
133	METALLIC	7.20	5.15	*
134	BLOOD, RAW MEAT	5.60	3.90	
135	ANIMAL	4.00	3.10	
136	SEWER	11.20	8.57	**
137	PUTRID, FOUL, DECAYED	25.60	21.51	*****
138	FECAL (LIKE MANURE)	1.60	1.01	
139	CADAVEROUS (DEAD ANIMAL)	6.40	5.54	*
140	SICKENING	61.60	51.39	**********
141	DRY, POWDERY	2.40	1.75	
142	CHALKY	0.00	0.00	
143	LIGHT	4.80	2.91	
144	HEAVY	28.00	24.32	******
145	COOL, COOLING	2.40	1.64	
146	WARM	4.80	3.51	

TABLE 129—Tetraquinone

QUINOLINE, 1,2,3,4-TETRAHYDRO-6-METHYL
1,2,3,4-TETRAHYDRO-6-METHYLQUINOLINE
TETRAHYDRO-PARA-TOLUQUINONE
CIVETTAL
ZIBETHAL
ZIBERTHINE

CHEM. ABSTR. REG. NO. 91-61-2
C10 H13 N1
MOL. WT. 147.2



CONCENTRATION, G/LITER.....	50
NUMBER OF EVALUATORS.....	128
NUMBER WHO DETECTED ODOR.....	125
PERCENT WHO DETECTED ODOR.....	98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

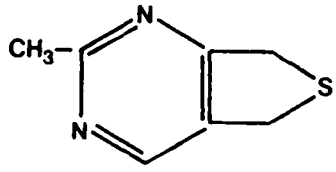
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.80	0.36	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	1.60	1.24	
15	ROSE	0.80	0.36	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.80	0.36	
18	COLOGNE	0.80	0.36	
19	MUSK	3.20	2.15	
20	PERFUMERY	4.00	2.53	
21	FRAGRANT	12.80	9.16	**
22	AROMATIC	16.80	12.49	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.40	1.24	
26	NAIL POLISH REMOVER	2.40	1.07	
27	NUTTY (WALNUT ETC)	2.40	1.39	
28	SPICY	4.00	2.26	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.80	0.51	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	16.00	11.31	**
40	CEDARWOOD	10.40	7.74	*
41	MOTHBALLS	51.20	43.31	**********
42	MINTY, PEPPERMINT	2.40	1.07	
43	CAMPHOR	14.40	10.52	**
44	EUCALIPTUS	2.40	2.06	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	5.60	3.79	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.80	0.72	
50	MALTY	0.80	0.51	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.60	1.24	
56	ETHERISH, ANAESTHETIC	11.20	7.21	*
57	CLEANING FLUID	5.60	3.79	
58	GASOLINE, SOLVENT	7.20	4.92	*
59	TURPENTINE (PINE OIL)	1.60	1.01	
60	GERANIUM LEAVES	0.80	0.51	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.80	0.51	
64	CRUSHED GRASS	1.60	0.88	
65	HERBAL, GREEN, CUT GRASS	8.80	5.57	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.60	1.01	
68	GRAINY (AS GRAIN)	2.40	1.24	
69	YEASTY	0.80	0.62	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.80	0.51	
72	FERMENTED (ROTTEN) FRUIT	0.80	0.51	
73	BEERY	0.00	0.00	
74	SOAPY	4.00	2.77	
75	LEATHER	4.00	2.77	
76	CARDBOARD	4.80	3.16	
77	ROPE	0.00	0.00	
78	WET PAPER	2.40	1.39	
79	WET WOOL, WET DOG	8.00	5.31	*
80	DIRTY LINEN	6.40	4.96	*
81	STALE	8.80	6.71	*
82	MUSTY, EARTHY, MOLDY	24.80	18.37	****
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.80	0.62	
85	MUSHROOM	0.80	0.51	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.80	0.51	
88	EGGY (FRESH EGGS)	0.80	0.51	
89	BARK, BIRCH BARK	3.20	2.37	
90	CORK	0.80	0.51	
91	BURNT, SMOKY	6.40	4.05	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.40	1.86	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.20	2.02	
96	BURNT PAPER	3.20	1.75	
97	BURNT MILK	0.80	0.51	
98	BURNT RUBBER	0.80	0.36	
99	TAR	5.60	4.13	*
100	CREOSOTE	4.00	2.40	
101	DISINFECTANT, CARBOLIC	16.80	11.94	**
102	MEDICINAL	13.60	8.73	**
103	CHEMICAL	21.60	15.44	***
104	BITTER	4.80	3.39	
105	SHARP, PUNGENT, ACID	13.60	10.00	**
106	SOUR, VINEGAR	5.60	3.90	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	6.40	4.17	*
109	URINE	2.40	1.39	
110	CAT URINE	1.60	0.88	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	1.60	1.01	
114	NEW RUBBER	1.60	1.24	
115	SOOTY	3.20	1.60	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	4.80	3.16	
118	OILY, FATTY	7.20	4.68	*
119	BUTTERY, FRESH BUTTER	0.80	0.62	
120	PAINT	4.00	2.53	
121	VARNISH	3.20	2.15	
122	POPCORN	0.80	0.62	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.80	0.36	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.80	0.72	
127	RANCID	5.60	3.28	
128	SWEATY	16.00	11.09	**
129	CHEESY	0.80	0.51	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.80	0.36	
132	GARLIC, ONION	3.20	2.15	
133	METALLIC	3.20	2.26	
134	BLOOD, RAW MEAT	1.60	1.01	
135	ANIMAL	3.20	1.89	
136	SEWER	4.00	3.10	
137	PUTRID, FOUL, DECAYED	12.80	9.91	**
138	FECAL (LIKE MANURE)	5.60	4.73	*
139	CADAVEROUS (DEAD ANIMAL)	1.60	1.34	
140	SICKENING	24.80	20.02	*****
141	DRY, POWDERY	12.00	7.59	*
142	CHALKY	3.20	2.15	
143	LIGHT	16.00	11.76	**
144	HEAVY	21.60	16.10	****
145	COOL, COOLING	12.00	7.46	*
146	WARM	10.40	7.30	

TABLE 130—Thienopyrimidine

THIENO-(3,4-D)-PYRIMIDINE, 5,7-DIHYDRO-2-METHYL

CHEM. ABSTR. REG. NO. 36267-71-7
C7 H8 N2 S1
MOL. WT. 152.0



CONCENTRATION, ML/LITER.....20(1%)
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

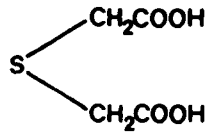
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.78	0.49	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	1.56	0.86	
20	PERFUMERY	1.56	0.70	
21	FRAGRANT	10.16	7.56	*
22	AROMATIC	18.75	14.92	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	21.88	15.90	***
26	NAIL POLISH REMOVER	0.78	0.78	
27	NUTTY (WALNUT ETC)	19.53	14.72	***
28	SPICY	4.69	2.96	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	1.56	0.99	
34	BLACK PEPPER	1.56	1.31	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	3.13	2.10	
39	WOODY, RESINOUS	10.94	6.92	*
40	CEDARWOOD	3.91	2.47	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	1.56	0.86	
46	VANILLA	3.13	1.71	
47	SWEET	10.16	5.91	*
48	MAPLE SYRUP	2.34	1.21	
49	CARAMEL	7.81	5.85	*
50	MALTY	3.13	1.71	
51	RAISINS	0.00	0.00	
52	MOLASSES	2.34	1.48	
53	COCONUT	0.78	0.35	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.78	0.35	
56	ETHERISH, ANAESTHETIC	0.00	0.00	
57	CLEANING FLUID	0.78	0.35	
58	GASOLINE, SOLVENT	0.78	0.49	
59	TURPENTINE (PINE OIL)	0.78	0.35	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.78	0.35	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	2.34	1.05	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.78	0.35	
68	GRAINY (AS GRAIN)	8.59	5.91	*
69	YEASTY	7.03	5.24	*
70	BAKERY (FRESH BREAD)	7.03	4.45	*
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	0.78	0.49	
75	LEATHER	2.34	1.60	
76	CARDBOARD	3.13	2.32	
77	ROPE	0.78	0.49	
78	WET PAPER	2.34	1.48	
79	WET WOOL, WET DOG	0.78	0.61	
80	DIRTY LINEN	4.69	3.53	
81	STALE	7.03	4.57	*
82	MUSTY, EARTHY, MOLDY	12.50	8.15	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	3.13	2.42	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	21.88	16.54	****
87	BEANY	2.34	1.35	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.56	0.86	
90	CORK	2.34	1.35	
91	BURNT, SMOKY	17.97	11.85	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.78	0.70	
94	COFFEE	1.56	1.21	
95	STALE TOBACCO SMOKE	0.78	0.49	
96	BURNT PAPER	4.69	2.26	
97	BURNT MILK	1.56	0.70	
98	BURNT RUBBER	1.56	0.70	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	0.78	0.49	
102	MEDICINAL	0.00	0.00	
103	CHEMICAL	4.69	3.63	
104	BITTER	1.56	0.86	
105	SHARP, PUNGENT, ACID	3.91	2.82	
106	SOUR, VINEGAR	7.03	3.78	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.78	0.35	
109	URINE	0.78	0.49	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.78	0.78	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.78	0.49	
116	BURNT CANDLE	0.78	0.35	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	25.00	16.42	****
119	BUTTERY, FRESH BUTTER	27.34	20.04	*****
120	PAINT	0.00	0.00	
121	VARNISH	0.78	0.35	
122	POPCORN	54.69	48.21	**********
123	FRIED CHICKEN	3.13	1.71	
124	MEATY (COOKED, GOOD)	6.25	3.28	
125	SOUPY	0.78	0.49	
126	COOKED VEGETABLES	3.91	2.82	
127	RANCID	7.03	4.45	*
128	SWEATY	15.63	11.27	**
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	3.13	1.98	
133	METALLIC	0.00	0.00	
134	BLOOD, RAW MEAT	0.78	0.35	
135	ANIMAL	3.13	1.98	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	2.34	1.60	
138	FECAL (LIKE MANURE)	1.56	0.99	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	10.94	7.95	*
141	DRY, POWDERY	11.72	8.12	**
142	CHALKY	0.00	0.00	
143	LIGHT	10.16	6.55	*
144	HEAVY	18.75	14.22	***
145	COOL, COOLING	0.78	0.35	
146	WARM	20.31	13.91	

TABLE 131—Thioglycolic Acid

THIODIACETIC ACID
MERCAPTOACETIC ACID

CHEM. ABSTR. REG. NO. 123-93-3
C4 H6 O4 S1
MOL. WT. 150.2



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	139
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	100

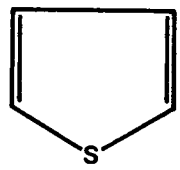
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.72	0.32	
2	LEMON	0.72	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.72	0.32	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	2.88	2.03	
15	ROSE	0.00	0.00	
16	VIOLETS	1.44	1.29	
17	LAVENDER	0.72	0.56	
18	COLOGNE	0.00	0.00	
19	MUSK	4.32	3.86	
20	PERFUMERY	2.88	2.32	
21	FRAGRANT	7.19	6.35	*
22	AROMATIC	15.83	13.75	***
23	HONEY	0.72	0.56	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.16	1.25	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	3.60	2.16	
28	SPICY	5.04	3.61	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.72	0.32	
32	TEA LEAVES	0.72	0.46	
33	SEASONING (FOR MEAT)	0.72	0.32	
34	BLACK PEPPER	0.72	0.46	
35	GREEN PEPPER	2.16	1.25	
36	DILL	1.44	1.02	
37	CARAWAY	0.72	0.32	
38	OAK WOOD, COGNAC	0.72	0.32	
39	WOODY, RESINOUS	10.79	6.35	*
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	2.16	1.25	
42	MINTY, PEPPERMINT	3.60	2.49	
43	CAMPHOR	0.72	0.72	
44	EUCALIPTUS	0.72	0.56	
45	CHOCOLATE	0.72	0.46	
46	VANILLA	0.00	0.00	
47	SWEET	2.16	1.76	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.72	0.46	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.44	0.79	
55	ALCOHOLIC	0.72	0.46	
56	ETHERISH, ANAESTHETIC	2.16	1.47	
57	CLEANING FLUID	5.04	4.17	*
58	GASOLINE, SOLVENT	13.67	8.87	**
59	TURPENTINE (PINE OIL)	2.16	1.25	
60	GERANIUM LEAVES	5.04	3.71	
61	CELERY	0.72	0.32	
62	FRESH GREEN VEGETABLES	2.16	1.47	

63	CRUSHED WEEDS	6.47	5.02	*
64	CRUSHED GRASS	5.04	3.51	
65	HERBAL, GREEN, CUT GRASS	7.91	6.13	*
66	RAW CUCUMBER	1.44	0.64	
67	HAY	0.72	0.56	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.44	0.91	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.72	0.64	
72	FERMENTED (ROTTEN) FRUIT	4.32	2.61	
73	BEERY	1.44	0.79	
74	SOAPY	0.00	0.00	
75	LEATHER	2.16	0.97	
76	CARDBOARD	1.44	0.79	
77	ROPE	1.44	0.79	
78	WET PAPER	0.72	0.46	
79	WET WOOL, WET DOG	8.63	5.23	*
80	DIRTY LINEN	2.88	1.93	
81	STALE	7.19	4.66	*
82	MUSTY, EARTHY, MOLDY	15.11	10.63	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	3.60	1.90	
85	MUSHROOM	1.44	0.64	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.72	0.32	
89	BARK, BIRCH BARK	0.72	0.32	
90	CORK	0.72	0.32	
91	BURNT, SMOKY	25.90	19.21	****
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.44	1.02	
94	COFFEE	3.60	2.28	
95	STALE TOBACCO SMOKE	2.88	1.58	
96	BURNT PAPER	7.19	3.94	
97	BURNT MILK	2.88	1.58	
98	BURNT RUBBER	18.71	14.30	***
99	TAR	12.23	9.00	**
100	CREOSOTE	9.35	7.34	*
101	DISINFECTANT, CARBOLIC	5.76	4.17	*
102	MEDICINAL	1.44	0.91	
103	CHEMICAL	21.58	17.45	****
104	BITTER	8.63	7.05	*
105	SHARP, PUNGENT, ACID	38.85	30.46	*******
106	SOUR, VINEGAR	16.55	12.15	***
107	SAUERKRAUT	2.16	1.58	
108	AMMONIA	6.47	4.32	*
109	URINE	10.07	6.70	*
110	CAT URINE	18.71	13.63	***
111	FISHY	5.76	3.28	
112	KIPPERY (SMOKED FISH)	1.44	0.79	
113	SEMINAL, SPERM-LIKE	2.16	0.97	
114	NEW RUBBER	8.63	5.90	*
115	SOOTY	2.88	1.58	
116	BURNT CANDLE	3.60	2.03	
117	KEROSENE	4.32	2.95	
118	OILY, FATTY	10.79	7.16	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.16	1.11	
121	VARNISH	0.72	0.56	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	8.63	5.90	*
125	SOUPY	0.72	0.32	
126	COOKED VEGETABLES	2.16	1.85	
127	RANCID	25.90	18.11	****
128	SWEATY	25.18	19.03	****
129	CHEESY	0.72	0.32	
130	HOUSEHOLD GAS	17.27	12.80	***
131	SULFIDIC	31.65	25.88	******
132	GARLIC, ONION	20.86	15.10	***
133	METALLIC	6.47	4.83	*
134	BLOOD, RAW MEAT	2.16	1.11	
135	ANIMAL	15.83	12.89	***
136	SEWER	24.46	18.48	****
137	PUTRID, FOUL, DECAYED	41.73	32.32	********
138	FECAL (LIKE MANURE)	17.99	12.25	***
139	CADAVEROUS (DEAD ANIMAL)	18.71	12.60	***
140	SICKENING	65.47	53.78	**********
141	DRY, POWDERY	2.88	1.44	
142	CHALKY	0.00	0.00	
143	LIGHT	1.44	1.29	
144	HEAVY	39.57	31.74	*******
145	COOL, COOLING	3.60	2.97	
146	WARM	7.19	4.43	*

TABLE 132—Thiophene

CHEM. ABSTR. REG. NO. 110-02-1
C4 H4 S1
MOL. WT. 84.0



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 137
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

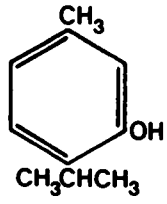
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.73	0.65	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.73	0.33	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	2.19	1.26	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.73	0.33	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	4.38	3.10	
20	PERFUMERY	0.73	0.33	
21	FRAGRANT	5.84	4.43	*
22	AROMATIC	13.14	9.69	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.92	1.46	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	5.11	2.73	
28	SPICY	10.95	8.10	**
29	CLOVE	0.73	0.46	
30	CINNAMON	0.73	0.33	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	6.57	4.27	*
34	BLACK PEPPER	4.38	2.99	
35	GREEN PEPPER	2.92	1.60	
36	DILL	1.46	0.92	
37	CARAWAY	1.46	0.80	
38	OAK WOOD, COGNAC	0.73	0.33	
39	WOODY, RESINOUS	6.57	3.66	
40	CEDARWOOD	0.73	0.33	
41	MOTHBALLS	0.73	0.33	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	2.92	1.96	
44	EUCALIPTUS	0.73	0.65	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.73	0.33	
47	SWEET	2.19	1.13	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	2.19	1.13	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	6.57	4.15	*
57	CLEANING FLUID	2.92	1.96	
58	GASOLINE, SOLVENT	11.68	8.36	**
59	TURPENTINE (PINE OIL)	0.73	0.33	
60	GERANIUM LEAVES	1.46	1.13	
61	CELERY	1.46	0.80	
62	FRESH GREEN VEGETABLES	0.73	0.46	

63	CRUSHED WEEDS	2.92	1.73	
64	CRUSHED GRASS	0.73	0.33	
65	HERBAL, GREEN, CUT GRASS	4.38	2.77	
66	RAW CUCUMBER	0.73	0.33	
67	HAY	0.73	0.57	
68	GRAINY (AS GRAIN)	0.73	0.33	
69	YEASTY	2.92	1.60	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.73	0.33	
72	FERMENTED (ROTTEN) FRUIT	4.38	2.88	
73	BEERY	0.00	0.00	
74	SOAPY	2.19	1.79	
75	LEATHER	4.38	2.40	
76	CARDBOARD	2.92	1.60	
77	ROPE	3.65	1.79	
78	WET PAPER	2.92	1.85	
79	WET WOOL, WET DOG	5.11	3.45	
80	DIRTY LINEN	3.65	1.93	
81	STALE	7.30	4.13	*
82	MUSTY, EARTHY, MOLDY	18.25	12.32	***
83	RAW POTATO	1.46	0.80	
84	MOUSE	1.46	0.80	
85	MUSHROOM	3.65	1.93	
86	PEANUT BUTTER	0.73	0.33	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.73	0.33	
89	BARK, BIRCH BARK	0.73	0.33	
90	CORK	4.38	2.88	
91	BURNT, SMOKY	36.50	26.11	******
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.73	0.46	
94	COFFEE	0.73	0.33	
95	STALE TOBACCO SMOKE	5.11	3.45	
96	BURNT PAPER	10.22	6.23	*
97	BURNT MILK	1.46	1.03	
98	BURNT RUBBER	16.79	11.07	**
99	TAR	14.60	10.43	**
100	CREOSOTE	7.30	4.95	*
101	DISINFECTANT, CARBOLIC	2.19	1.70	
102	MEDICINAL	1.46	0.65	
103	CHEMICAL	12.41	9.13	**
104	BITTER	4.38	2.88	
105	SHARP, PUNGENT, ACID	29.20	20.75	*****
106	SOUR, VINEGAR	18.98	12.34	***
107	SAUERKRAUT	4.38	2.77	
108	AMMONIA	2.19	1.60	
109	URINE	4.38	2.88	
110	CAT URINE	5.11	3.34	
111	FISHY	2.92	2.06	
112	KIPPERY (SMOKED FISH)	3.65	2.19	
113	SEMINAL, SPERM-LIKE	0.73	0.33	
114	NEW RUBBER	8.03	4.96	*
115	SOOTY	5.84	3.58	
116	BURNT CANDLE	5.84	3.58	
117	KEROSENE	2.19	1.38	
118	OILY, FATTY	19.71	12.23	***
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	1.46	0.65	
121	VARNISH	0.73	0.33	
122	POPCORN	2.19	1.26	
123	FRIED CHICKEN	1.46	0.92	
124	MEATY (COOKED, GOOD)	10.22	5.98	*
125	SOUPY	2.19	1.26	
126	COOKED VEGETABLES	9.49	5.26	*
127	RANCID	16.06	11.35	**
128	SWEATY	23.36	15.34	***
129	CHEESY	1.46	0.80	
130	HOUSEHOLD GAS	34.31	27.13	******
131	SULFIDIC	30.66	23.65	*****
132	GARLIC, ONION	42.34	35.42	********
133	METALLIC	6.57	3.92	
134	BLOOD, RAW MEAT	8.03	4.96	*
135	ANIMAL	6.57	3.92	
136	SEWER	18.98	12.68	***
137	PUTRID, FOUL, DECAYED	21.90	14.41	***
138	FECAL (LIKE MANURE)	5.11	3.23	
139	CADAVEROUS (DEAD ANIMAL)	5.11	2.86	
140	SICKENING	48.18	35.78	********
141	DRY, POWDERY	7.30	4.00	
142	CHALKY	2.19	1.26	
143	LIGHT	3.65	2.73	
144	HEAVY	45.99	36.00	********
145	COOL, COOLING	1.46	1.22	
146	WARM	10.95	7.59	*

TABLE 133—Thymol

PHENOL, 3-METHYL-2-(1-METHYL ETHYL)
P-CYMEN-3-OL

CHEM. ABSTR. REG. NO. 89-83-8
C10 H14 O1
MOL. WT. 150.1



CONCENTRATION, G/LITER.....	100
NUMBER OF EVALUATORS.....	150
NUMBER WHO DETECTED ODOR.....	150
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

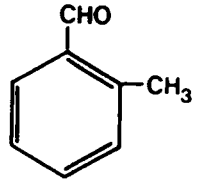
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.67	0.52	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.67	0.30	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.67	0.42	
12	PEACH (FRUIT)	0.67	0.42	
13	BANANA	0.67	0.52	
14	FLORAL	2.67	1.33	
15	ROSE	0.00	0.00	
16	VIOLETS	0.67	0.30	
17	LAVENDER	2.00	1.03	
18	COLOGNE	0.67	0.30	
19	MUSK	3.33	2.00	
20	PERFUMERY	4.00	2.31	
21	FRAGRANT	20.67	13.18	***
22	AROMATIC	28.67	19.16	****
23	HONEY	2.00	0.89	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.67	2.73	
26	NAIL POLISH REMOVER	3.33	2.31	
27	NUTTY (WALNUT ETC)	2.00	0.89	
28	SPICY	9.33	6.01	*
29	CLOVE	4.00	2.07	
30	CINNAMON	0.67	0.30	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.33	0.73	
33	SEASONING (FOR MEAT)	1.33	0.73	
34	BLACK PEPPER	0.67	0.30	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.67	0.30	
37	CARAWAY	2.00	1.15	
38	OAK WOOD, COGNAC	7.33	3.96	
39	WOODY, RESINOUS	38.67	25.69	******
40	CEDARWOOD	14.67	7.53	*
41	MOTHBALLS	6.00	4.00	*
42	MINTY, PEPPERMINT	3.33	1.89	
43	CAMPHOR	22.00	14.83	***
44	EUCALIPTUS	12.67	8.12	**
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.33	0.84	
47	SWEET	9.33	6.21	*
48	MAPLE SYRUP	0.67	0.52	
49	CARAMEL	0.67	0.30	
50	MALTY	2.67	1.33	
51	RAISINS	1.33	0.73	
52	MOLASSES	0.67	0.42	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.33	0.84	
55	ALCOHOLIC	4.67	2.49	
56	ETHERISH, ANAESTHETIC	19.33	12.23	***
57	CLEANING FLUID	17.33	10.64	**
58	GASOLINE, SOLVENT	20.67	13.07	***
59	TURPENTINE (PINE OIL)	19.33	11.47	**
60	GERANIUM LEAVES	2.67	1.19	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.00	1.03	
64	CRUSHED GRASS	2.00	0.89	
65	HERBAL, GREEN, CUT GRASS	10.67	5.47	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.67	0.42	
68	GRAINY (AS GRAIN)	0.67	0.30	
69	YEASTY	0.67	0.42	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.33	0.94	
73	BEERY	2.00	1.03	
74	SOAPY	4.67	2.84	
75	LEATHER	12.67	7.69	*
76	CARDBOARD	4.67	2.62	
77	ROPE	4.67	2.62	
78	WET PAPER	3.33	1.76	
79	WET WOOL, WET DOG	4.00	2.07	
80	DIRTY LINEN	2.67	1.33	
81	STALE	7.33	4.53	*
82	MUSTY, EARTHY, MOLDY	20.67	13.18	***
83	RAW POTATO	1.33	0.60	
84	MOUSE	0.67	0.30	
85	MUSHROOM	0.67	0.30	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	12.00	7.04	*
90	CORK	6.00	2.83	
91	BURNT, SMOKY	32.67	21.39	*****
92	FRESH TOBACCO SMOKE	2.00	0.89	
93	INCENSE	6.00	3.69	
94	COFFEE	0.67	0.30	
95	STALE TOBACCO SMOKE	5.33	3.68	
96	BURNT PAPER	7.33	4.42	*
97	BURNT MILK	1.33	0.60	
98	BURNT RUBBER	6.00	4.10	*
99	TAR	24.00	15.49	***
100	CREOSOTE	24.67	16.32	****
101	DISINFECTANT, CARBOLIC	33.33	21.81	*****
102	MEDICINAL	38.00	26.35	******
103	CHEMICAL	28.67	19.35	****
104	BITTER	6.67	3.89	
105	SHARP, PUNGENT, ACID	20.00	12.65	***
106	SOUR, VINEGAR	4.67	2.84	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.67	0.30	
109	URINE	2.00	1.26	
110	CAT URINE	1.33	0.84	
111	FISHY	2.00	1.46	
112	KIPPERY (SMOKED FISH)	1.33	0.84	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	12.67	8.91	**
115	SOOTY	3.33	1.76	
116	BURNT CANDLE	3.33	1.63	
117	KEROSENE	10.67	7.06	*
118	OILY, FATTY	18.00	11.38	**
119	BUTTERY, FRESH BUTTER	0.67	0.30	
120	PAINT	14.00	8.31	**
121	VARNISH	11.33	6.95	*
122	POPCORN	0.67	0.30	
123	FRIED CHICKEN	0.67	0.30	
124	MEATY (COOKED, GOOD)	3.33	2.21	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.67	0.42	
127	RANCID	6.67	4.62	*
128	SWEATY	14.00	8.08	**
129	CHEESY	2.00	1.15	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	2.67	1.58	
132	GARLIC, ONION	0.67	0.52	
133	METALLIC	8.67	5.04	*
134	BLOOD, RAW MEAT	0.67	0.30	
135	ANIMAL	2.67	1.69	
136	SEWER	1.33	0.73	
137	PUTRID, FOUL, DECAYED	6.00	3.69	
138	FECAL (LIKE MANURE)	1.33	0.60	
139	CADAVEROUS (DEAD ANIMAL)	2.00	1.03	
140	SICKENING	16.00	9.35	**
141	DRY, POWDERY	8.00	4.95	*
142	CHALKY	1.33	0.60	
143	LIGHT	20.67	13.38	***
144	HEAVY	26.67	18.57	****
145	COOL, COOLING	12.67	7.47	*
146	WARM	16.67	11.25	**

TABLE 134—Tolualdehyde: ortho-Tolualdehyde

O-METHYL BENZALDEHYDE
O-TOLUYL-ALDEHYDE

CHEM. ABSTR. REG. NO. 529-20-4
C8 H8 O1
MOL. WT. 120.2



CONCENTRATION, ML/LITER.....	20
NUMBER OF EVALUATORS.....	150
NUMBER WHO DETECTED ODOR.....	150
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

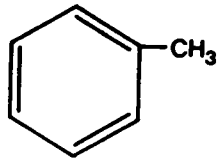
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.33	3.77	
2	LEMON	2.67	1.33	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.67	1.69	
5	FRUITY, OTHER THAN CITRUS	22.67	15.35	***
6	PINEAPPLE	2.00	1.15	
7	GRAPE JUICE	2.00	1.15	
8	STRAWBERRY	5.33	3.37	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.33	0.60	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	4.00	2.83	
13	BANANA	3.33	1.49	
14	FLORAL	16.67	11.25	**
15	ROSE	5.33	3.16	
16	VIOLETS	5.33	3.27	
17	LAVENDER	8.00	4.38	*
18	COLOGNE	4.67	3.16	
19	MUSK	4.00	2.73	
20	PERFUMERY	22.00	15.03	***
21	FRAGRANT	51.33	39.16	*********
22	AROMATIC	51.33	40.95	**********
23	HONEY	4.00	2.83	
24	CHERRY (BERRY)	26.00	20.73	*****
25	ALMOND	52.67	46.51	**********
26	NAIL POLISH REMOVER	4.67	2.37	
27	NUTTY (WALNUT ETC)	8.67	5.79	*
28	SPICY	22.00	15.03	***
29	CLOVE	5.33	3.37	
30	CINNAMON	9.33	6.69	*
31	LAUREL LEAVES	1.33	0.73	
32	TEA LEAVES	2.00	1.15	
33	SEASONING (FOR MEAT)	2.00	1.03	
34	BLACK PEPPER	0.67	0.30	
35	GREEN PEPPER	0.67	0.30	
36	DILL	0.67	0.42	
37	CARAWAY	0.67	0.30	
38	OAK WOOD, COGNAC	6.00	3.79	
39	WOODY, RESINOUS	16.67	9.78	**
40	CEDARWOOD	6.67	4.11	*
41	MOTHBALLS	10.00	7.02	*
42	MINTY, PEPPERMINT	10.67	6.20	*
43	CAMPHOR	8.00	4.95	*
44	EUCALIPTUS	4.00	2.19	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	8.00	5.47	*
47	SWEET	47.33	35.70	********
48	MAPLE SYRUP	2.00	1.15	
49	CARAMEL	0.67	0.30	
50	MALTY	5.33	3.27	
51	RAISINS	1.33	0.60	
52	MOLASSES	0.67	0.30	
53	COCONUT	4.67	2.84	
54	ANISE (LICORICE)	6.00	3.35	
55	ALCOHOLIC	4.00	2.31	
56	ETHERISH, ANAESTHETIC	13.33	7.54	*
57	CLEANING FLUID	4.67	3.06	
58	GASOLINE, SOLVENT	4.00	1.93	
59	TURPENTINE (PINE OIL)	8.00	4.50	*
60	GERANIUM LEAVES	2.67	1.46	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.67	0.30	

63	CRUSHED WEEDS	2.67	1.46	
64	CRUSHED GRASS	4.00	2.19	
65	HERBAL, GREEN, CUT GRASS	12.67	7.69	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.67	0.60	
68	GRAINY (AS GRAIN)	2.00	1.03	
69	YEASTY	2.00	1.26	
70	BAKERY (FRESH BREAD)	0.67	0.42	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	3.33	2.11	
73	BEERY	0.67	0.30	
74	SOAPY	3.33	2.31	
75	LEATHER	2.67	1.58	
76	CARDBOARD	2.67	1.33	
77	ROPE	0.67	0.30	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.67	0.42	
80	DIRTY LINEN	0.67	0.30	
81	STALE	2.00	1.55	
82	MUSTY, EARTHY, MOLDY	4.67	2.62	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.67	0.42	
89	BARK, BIRCH BARK	5.33	2.80	
90	CORK	0.67	0.30	
91	BURNT, SMOKY	5.33	3.16	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.00	4.84	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.33	0.60	
96	BURNT PAPER	0.67	0.30	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	6.00	3.35	
100	CREOSOTE	6.00	3.46	
101	DISINFECTANT, CARBOLIC	13.33	8.84	**
102	MEDICINAL	16.67	9.55	**
103	CHEMICAL	26.00	19.79	****
104	BITTER	4.00	3.01	
105	SHARP, PUNGENT, ACID	11.33	7.58	*
106	SOUR, VINEGAR	4.67	2.95	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.67	0.42	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.67	0.30	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.67	0.30	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.67	0.30	
118	OILY, FATTY	11.33	7.06	*
119	BUTTERY, FRESH BUTTER	1.33	1.03	
120	PAINT	10.00	6.83	*
121	VARNISH	6.00	3.46	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.33	2.00	
128	SWEATY	3.33	1.76	
129	CHEESY	0.67	0.30	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.33	0.73	
132	GARLIC, ONION	1.33	0.84	
133	METALLIC	3.33	1.89	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.67	0.30	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.67	0.67	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.67	3.16	
141	DRY, POWDERY	4.67	2.84	
142	CHALKY	0.67	0.42	
143	LIGHT	14.67	10.56	**
144	HEAVY	27.33	19.28	****
145	COOL, COOLING	14.67	9.79	**
146	WARM	21.33	15.08	***

TABLE 135—Toluene (Lower Concentration)

METHYL BENZENE

CHEM. ABSTR. REG. NO. 108-88-3
C7 H8
MOL. WT. 92.1



CONCENTRATION, ML/LITER..... 100
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 125
PERCENT WHO DETECTED ODOR..... 90

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

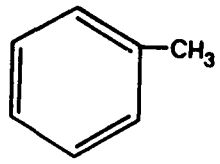
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.60	0.72	
2	LEMON	1.60	0.72	
3	GRAPEFRUIT	1.60	0.88	
4	ORANGE	1.60	0.88	
5	FRUITY, OTHER THAN CITRUS	2.40	1.24	
6	PINEAPPLE	1.60	0.72	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	1.60	1.24	
14	FLORAL	5.60	3.28	
15	ROSE	3.20	1.89	
16	VIOLETS	0.80	0.62	
17	LAVENDER	2.40	1.75	
18	COLOGNE	0.00	0.00	
19	MUSK	2.40	1.24	
20	PERFUMERY	6.40	3.92	
21	FRAGRANT	19.20	13.12	***
22	AROMATIC	20.80	14.25	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.20	1.60	
26	NAIL POLISH REMOVER	11.20	6.96	*
27	NUTTY (WALNUT ETC)	1.60	0.88	
28	SPICY	3.20	1.60	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.80	0.51	
32	TEA LEAVES	1.60	1.01	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	1.60	0.88	
35	GREEN PEPPER	0.80	0.62	
36	DILL	1.60	0.88	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	4.00	2.53	
39	WOODY, RESINOUS	29.60	17.68	****
40	CEDARWOOD	5.60	2.84	
41	MOTHBALLS	1.60	0.72	
42	MINTY, PEPPERMINT	4.00	1.96	
43	CAMPHOR	0.80	0.51	
44	EUCALIPTUS	0.80	0.36	
45	CHOCOLATE	0.80	0.36	
46	VANILLA	0.80	0.62	
47	SWEET	12.80	7.71	*
48	MAPLE SYRUP	1.60	0.88	
49	CARAMEL	0.80	0.36	
50	MALTY	0.80	0.36	
51	RAISINS	1.60	0.72	
52	MOLASSES	0.80	0.51	
53	COCONUT	0.80	0.36	
54	ANISE (LICORICE)	0.80	0.36	
55	ALCOHOLIC	4.00	2.26	
56	ETHERISH, ANAESTHETIC	13.60	9.09	**
57	CLEANING FLUID	11.20	7.21	*
58	GASOLINE, SOLVENT	15.20	10.58	**
59	TURPENTINE (PINE OIL)	8.80	5.57	*
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.80	0.36	
62	FRESH GREEN VEGETABLES	2.40	1.07	

63	CRUSHED WEEDS	0.80	0.36	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	1.60	1.01	
66	RAW CUCUMBER	0.80	0.36	
67	HAY	1.60	0.72	
68	GRAINY (AS GRAIN)	1.60	0.72	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.60	1.01	
75	LEATHER	4.80	2.77	
76	CARDBOARD	3.20	1.75	
77	ROPE	2.40	1.52	
78	WET PAPER	1.60	0.72	
79	WET WOOL, WET DOG	2.40	1.24	
80	DIRTY LINEN	1.60	1.13	
81	STALE	4.00	2.53	
82	MUSTY, EARTHY, MOLDY	8.00	3.92	
83	RAW POTATO	0.80	0.36	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	4.80	3.04	
90	CORK	2.40	1.07	
91	BURNT, SMOKY	3.20	1.89	
92	FRESH TOBACCO SMOKE	0.80	0.36	
93	INCENSE	0.80	0.36	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.80	0.72	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.60	0.88	
100	CREOSOTE	2.40	1.64	
101	DISINFECTANT, CARBOLIC	4.00	2.88	
102	MEDICINAL	2.40	1.07	
103	CHEMICAL	25.60	18.66	****
104	BITTER	2.40	1.07	
105	SHARP, PUNGENT, ACID	11.20	7.69	*
106	SOUR, VINEGAR	14.40	10.73	**
107	SAUERKRAUT	0.80	0.36	
108	AMMONIA	2.40	1.07	
109	URINE	0.80	0.36	
110	CAT URINE	0.00	0.00	
111	FISHY	2.40	1.07	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.60	0.88	
115	SOOTY	0.80	0.36	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	4.80	3.04	
118	OILY, FATTY	8.80	4.60	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	21.60	14.40	***
121	VARNISH	10.40	6.58	*
122	POPCORN	1.60	0.88	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.80	0.36	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.80	0.51	
127	RANCID	7.20	4.29	*
128	SWEATY	10.40	6.05	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	2.40	1.52	
131	SULFIDIC	1.60	1.01	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	4.80	2.15	
134	BLOOD, RAW MEAT	1.60	0.72	
135	ANIMAL	0.80	0.36	
136	SEWER	0.80	0.51	
137	PUTRID, FOUL, DECAYED	3.20	1.43	
138	FECAL (LIKE MANURE)	0.80	0.36	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	5.60	3.14	
141	DRY, POWDERY	2.40	1.39	
142	CHALKY	0.80	0.62	
143	LIGHT	26.40	20.03	*****
144	HEAVY	5.60	4.02	*
145	COOL, COOLING	15.20	9.74	**
146	WARM	6.40	3.65	

TABLE 136—Toluene (Higher Concentration)

METHYL BENZENE

CHEM. ABSTR. REG. NO. 108-88-3
C7 H8
MOL. WT. 92.1



CONCENTRATION, ML/LITER.....	300
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	117
PERCENT WHO DETECTED ODOR.....	84

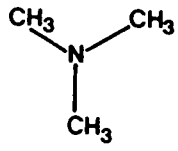
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.27	3.52	
2	LEMON	3.42	2.54	
3	GRAPEFRUIT	0.85	0.38	
4	ORANGE	1.71	1.08	
5	FRUITY, OTHER THAN CITRUS	5.98	4.17	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.85	0.54	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.85	0.54	
11	CANTALOUPE, HONEY DEW MELON	5.13	3.50	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	8.55	4.98	*
15	ROSE	1.71	0.94	
16	VIOLETS	1.71	0.94	
17	LAVENDER	0.85	0.54	
18	COLOGNE	2.56	1.75	
19	MUSK	4.27	2.70	
20	PERFUMERY	8.55	5.27	*
21	FRAGRANT	26.50	16.89	****
22	AROMATIC	25.64	16.75	****
23	HONEY	0.85	0.76	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	5.13	3.50	
26	NAIL POLISH REMOVER	12.82	9.59	**
27	NUTTY (WALNUT ETC)	5.98	3.50	
28	SPICY	3.42	1.71	
29	CLOVE	2.56	1.32	
30	CINNAMON	1.71	0.76	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.85	0.38	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	1.71	1.08	
36	DILL	1.71	1.21	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.56	1.62	
39	WOODY, RESINOUS	23.08	13.90	***
40	CEDARWOOD	2.56	1.15	
41	MOTHBALLS	1.71	1.08	
42	MINTY, PEPPERMINT	2.56	1.32	
43	CAMPHOR	8.55	4.68	*
44	EUCALIPTUS	1.71	1.08	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	1.71	0.94	
47	SWEET	21.37	12.24	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.85	0.38	
50	MALTY	1.71	1.08	
51	RAISINS	0.85	0.38	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.85	0.38	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	10.26	6.21	*
56	ETHERISH, ANAESTHETIC	19.66	12.43	***
57	CLEANING FLUID	11.11	6.75	*
58	GASOLINE, SOLVENT	19.66	14.67	***
59	TURPENTINE (PINE OIL)	11.11	7.80	*
60	GERANIUM LEAVES	0.85	0.38	
61	CELERY	2.56	1.62	
62	FRESH GREEN VEGETABLES	1.71	1.21	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	1.71	1.08	
65	HERBAL, GREEN, CUT GRASS	11.11	6.46	*
66	RAW CUCUMBER	4.27	3.08	
67	HAY	2.56	1.32	
68	GRAINY (AS GRAIN)	3.42	1.71	
69	YEASTY	0.85	0.38	
70	BAKERY (FRESH BREAD)	0.85	0.38	
71	SOUR MILK	0.85	0.38	
72	FERMENTED (ROTTEN) FRUIT	1.71	0.76	
73	BEERY	0.00	0.00	
74	SOAPY	4.27	2.56	
75	LEATHER	3.42	2.02	
76	CARDBOARD	7.69	5.85	*
77	ROPE	1.71	1.32	
78	WET PAPER	4.27	2.96	
79	WET WOOL, WET DOG	0.85	0.38	
80	DIRTY LINEN	1.71	0.94	
81	STALE	5.98	3.35	
82	MUSTY, EARTHY, MOLDY	5.13	2.96	
83	RAW POTATO	0.85	0.54	
84	MOUSE	0.00	0.00	
85	MUSHROOM	1.71	0.94	
86	PEANUT BUTTER	2.56	1.32	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.85	0.54	
90	CORK	1.71	0.76	
91	BURNT, SMOKY	2.56	1.32	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.71	1.21	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	4.27	2.09	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.85	0.38	
98	BURNT RUBBER	0.00	0.00	
99	TAR	4.27	2.42	
100	CREOSOTE	5.13	3.11	
101	DISINFECTANT, CARBOLIC	11.97	7.01	*
102	MEDICINAL	6.84	4.19	*
103	CHEMICAL	21.37	14.93	***
104	BITTER	1.71	0.76	
105	SHARP, PUNGENT, ACID	10.26	6.21	*
106	SOUR, VINEGAR	9.40	5.23	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.71	0.94	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.85	0.38	
112	KIPPERY (SMOKED FISH)	0.85	0.38	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.71	1.21	
115	SOOTY	0.85	0.38	
116	BURNT CANDLE	1.71	1.21	
117	KEROSENE	5.13	3.24	
118	OILY, FATTY	11.97	7.57	*
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	19.66	14.32	***
121	VARNISH	11.97	8.09	**
122	POPCORN	1.71	0.94	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.71	0.76	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.42	1.87	
128	SWEATY	5.98	3.78	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	4.27	2.26	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	4.27	2.09	
134	BLOOD, RAW MEAT	0.85	0.38	
135	ANIMAL	2.56	1.32	
136	SEWER	0.85	0.38	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.85	0.54	
139	CADAVEROUS (DEAD ANIMAL)	0.85	0.54	
140	SICKENING	5.13	3.11	
141	DRY, POWDERY	7.69	4.44	*
142	CHALKY	2.56	1.32	
143	LIGHT	30.77	20.64	*****
144	HEAVY	11.11	8.38	**
145	COOL, COOLING	15.38	10.76	**
146	WARM	5.13	2.96	

TABLE 137—Trimethyl Amine

CHEM. ABSTR. REG. NO. 75-50-3
C3 H9 N1
MOL. WT. 59.1



CONCENTRATION, G/LITER.....	1
NUMBER OF EVALUATORS.....	139
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

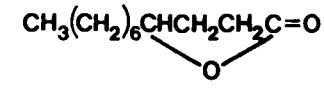
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	1.44	0.64	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	3.60	2.03	
20	PERFUMERY	0.72	0.56	
21	FRAGRANT	3.60	2.97	
22	AROMATIC	7.19	5.48	*
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.72	0.46	
26	NAIL POLISH REMOVER	0.72	0.32	
27	NUTTY (WALNUT ETC)	1.44	0.91	
28	SPICY	2.88	1.82	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.72	0.56	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.32	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.72	0.56	
39	WOODY, RESINOUS	2.88	1.44	
40	CEDARWOOD	1.44	1.02	
41	MOTHBALLS	0.72	0.64	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.72	0.32	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	1.44	1.11	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.72	0.32	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.72	0.56	
56	ETHERISH, ANAESTHETIC	0.72	0.46	
57	CLEANING FLUID	1.44	1.11	
58	GASOLINE, SOLVENT	1.44	1.02	
59	TURPENTINE (PINE OIL)	2.16	0.97	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.72	0.46	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.72	0.46	
68	GRAINY (AS GRAIN)	1.44	1.02	
69	YEASTY	4.32	2.95	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.16	1.67	
73	BEERY	0.72	0.56	
74	SOAPY	0.72	0.32	
75	LEATHER	2.88	1.82	
76	CARDBOARD	0.72	0.46	
77	ROPE	1.44	1.02	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.88	1.82	
80	DIRTY LINEN	10.79	7.05	*
81	STALE	9.35	6.35	*
82	MUSTY, EARTHY, MOLDY	6.47	4.83	*
83	RAW POTATO	0.72	0.46	
84	MOUSE	2.88	1.82	
85	MUSHROOM	3.60	1.76	
86	PEANUT BUTTER	1.44	0.64	
87	BEANY	0.72	0.32	
88	EGGY (FRESH EGGS)	1.44	0.64	
89	BARK, BIRCH BARK	0.72	0.56	
90	CORK	1.44	0.64	
91	BURNT, SMOKY	10.79	7.27	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.44	0.64	
96	BURNT PAPER	1.44	0.91	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.44	1.02	
99	TAR	2.16	1.37	
100	CREOSOTE	2.88	1.70	
101	DISINFECTANT, CARBOLIC	1.44	1.11	
102	MEDICINAL	0.72	0.32	
103	CHEMICAL	4.32	3.86	
104	BITTER	2.88	2.32	
105	SHARP, PUNGENT, ACID	16.55	13.45	***
106	SOUR, VINEGAR	10.79	7.16	*
107	SAUERKRAUT	2.16	0.97	
108	AMMONIA	17.27	12.71	***
109	URINE	15.11	12.34	***
110	CAT URINE	10.79	8.36	**
111	FISHY	69.06	62.49	**********
112	KIPPERY (SMOKED FISH)	24.46	18.19	****
113	SEMINAL, SPERM-LIKE	1.44	1.20	
114	NEW RUBBER	2.88	1.93	
115	SOOTY	0.72	0.46	
116	BURNT CANDLE	2.16	1.58	
117	KEROSENE	0.72	0.32	
118	OILY, FATTY	26.62	19.37	****
119	BUTTERY, FRESH BUTTER	1.44	0.64	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	2.88	1.70	
124	MEATY (COOKED, GOOD)	6.47	3.98	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	27.34	18.92	****
128	SWEATY	27.34	18.29	****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	3.60	2.59	
131	SULFIDIC	6.47	4.63	*
132	GARLIC, ONION	3.60	2.16	
133	METALLIC	0.72	0.32	
134	BLOOD, RAW MEAT	19.42	14.19	***
135	ANIMAL	15.11	9.56	**
136	SEWER	11.51	8.44	**
137	PUTRID, FOUL, DECAYED	32.37	25.54	******
138	FECAL (LIKE MANURE)	15.83	11.49	**
139	CADAVEROUS (DEAD ANIMAL)	23.02	16.38	****
140	SICKENING	50.36	40.73	**********
141	DRY, POWDERY	2.88	2.03	
142	CHALKY	1.44	0.91	
143	LIGHT	2.16	1.11	
144	HEAVY	27.34	22.44	*****
145	COOL, COOLING	0.72	0.32	
146	WARM	9.35	7.06	*

TABLE 138—Undecalactone: gamma-Undecalactone

2(3H)-FURANONE, 5-HEPTYLHYDRO
GAMMA-N-HEPTYL-GAMMA-BUTYROLACTONE
PEACH ALDEHYDE
PRUNELLIS

CHEM. ABSTR. REG. NO. 104-67-6
C11 H20 O2
MOL. WT. 184.1



CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	149
NUMBER WHO DETECTED ODOR.....	149
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	8.05	5.09	*
2	LEMON	3.36	1.78	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.01	1.16	
5	FRUITY, OTHER THAN CITRUS	32.89	25.73	******
6	PINEAPPLE	3.36	2.01	
7	GRAPE JUICE	1.34	0.74	
8	STRAWBERRY	14.09	10.38	**
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.68	1.20	
11	CANTALOUPE, HONEY DEW MELON	8.72	5.93	*
12	PEACH (FRUIT)	11.41	8.75	**
13	BANANA	2.01	1.16	
14	FLORAL	17.45	10.93	**
15	ROSE	5.37	3.60	
16	VIOLETS	3.36	2.12	
17	LAVENDER	2.68	1.59	
18	COLOGNE	4.03	2.44	
19	MUSK	5.37	3.40	
20	PERFUMERY	16.78	12.91	***
21	FRAGRANT	37.58	28.94	*******
22	AROMATIC	36.91	28.07	*******
23	HONEY	4.70	3.46	
24	CHERRY (BERRY)	6.04	4.68	*
25	ALMOND	9.40	5.94	*
26	NAIL POLISH REMOVER	0.67	0.42	
27	NUTTY (WALNUT ETC)	2.01	1.38	
28	SPICY	8.72	5.93	*
29	CLOVE	0.00	0.00	
30	CINNAMON	1.34	0.74	
31	LAUREL LEAVES	1.34	0.60	
32	TEA LEAVES	1.34	0.74	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.67	0.30	
35	GREEN PEPPER	2.01	1.27	
36	DILL	4.03	2.44	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.68	1.80	
39	WOODY, RESINOUS	28.86	19.97	****
40	CEDARWOOD	8.72	5.19	*
41	MOTHBALLS	4.03	2.32	
42	MINTY, PEPPERMINT	6.04	3.92	
43	CAMPHOR	10.07	6.58	*
44	EUCALIPTUS	0.67	0.52	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.68	1.34	
47	SWEET	36.91	27.17	******
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	1.34	0.74	
50	MALTY	3.36	1.64	
51	RAISINS	0.67	0.42	
52	MOLASSES	0.00	0.00	
53	COCONUT	3.36	2.77	
54	ANISE (LICORICE)	0.67	0.30	
55	ALCOHOLIC	1.34	0.95	
56	ETHERISH, ANAESTHETIC	8.72	5.52	*
57	CLEANING FLUID	2.68	1.59	
58	GASOLINE, SOLVENT	2.68	1.70	
59	TURPENTINE (PINE OIL)	4.70	2.97	
60	GERANIUM LEAVES	6.04	2.99	
61	CELERY	1.34	0.60	
62	FRESH GREEN VEGETABLES	2.68	1.59	

63	CRUSHED WEEDS	8.72	5.41	*
64	CRUSHED GRASS	10.74	7.69	*
65	HERBAL, GREEN, CUT GRASS	22.82	16.42	****
66	RAW CUCUMBER	2.01	1.16	
67	HAY	9.40	6.15	*
68	GRAINY (AS GRAIN)	4.03	2.75	
69	YEASTY	4.03	2.65	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.67	0.30	
72	FERMENTED (ROTTEN) FRUIT	6.71	4.45	*
73	BEERY	0.67	0.42	
74	SOAPY	6.04	3.60	
75	LEATHER	3.36	2.12	
76	CARDBOARD	8.05	4.65	*
77	ROPE	2.01	1.27	
78	WET PAPER	8.05	4.76	*
79	WET WOOL, WET DOG	2.68	1.59	
80	DIRTY LINEN	4.70	3.89	
81	STALE	7.38	5.45	*
82	MUSTY, EARTHY, MOLDY	38.93	31.09	*******
83	RAW POTATO	5.37	3.18	
84	MOUSE	2.01	1.16	
85	MUSHROOM	4.70	2.86	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.67	0.42	
88	EGGY (FRESH EGGS)	0.67	0.42	
89	BARK, BIRCH BARK	8.05	5.09	*
90	CORK	5.37	3.50	
91	BURNT, SMOKY	6.04	3.82	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.72	6.12	*
94	COFFEE	0.67	0.30	
95	STALE TOBACCO SMOKE	1.34	0.85	
96	BURNT PAPER	0.67	0.60	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.34	0.74	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	8.72	5.83	*
102	MEDICINAL	8.72	5.73	*
103	CHEMICAL	10.07	7.07	*
104	BITTER	6.04	4.03	*
105	SHARP, PUNGENT, ACID	15.44	11.15	**
106	SOUR, VINEGAR	8.72	5.93	*
107	SAUERKRAUT	0.67	0.30	
108	AMMONIA	3.36	2.12	
109	URINE	1.34	0.60	
110	CAT URINE	0.00	0.00	
111	FISHY	4.03	2.08	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.67	0.60	
114	NEW RUBBER	0.67	0.42	
115	SOOTY	1.34	0.74	
116	BURNT CANDLE	4.03	2.94	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	8.05	5.97	*
119	BUTTERY, FRESH BUTTER	0.67	0.30	
120	PAINT	5.37	3.60	
121	VARNISH	4.03	2.32	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.34	0.60	
127	RANCID	8.05	6.24	*
128	SWEATY	10.74	7.69	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.67	0.30	
131	SULFIDIC	1.34	0.95	
132	GARLIC, ONION	1.34	0.85	
133	METALLIC	8.72	5.83	*
134	BLOOD, RAW MEAT	4.70	2.86	
135	ANIMAL	4.70	3.18	
136	SEWER	2.68	2.16	
137	PUTRID, FOUL, DECAYED	9.40	6.35	*
138	FECAL (LIKE MANURE)	1.34	0.85	
139	CADAVEROUS (DEAD ANIMAL)	2.68	1.47	
140	SICKENING	18.12	12.28	***
141	DRY, POWDERY	7.38	5.17	*
142	CHALKY	2.68	1.59	
143	LIGHT	15.44	10.68	**
144	HEAVY	22.15	17.67	****
145	COOL, COOLING	12.08	8.35	**
146	WARM	8.05	5.40	*

TABLE 139—Undecylenic Acid

10-UNDECENOIC ACID

CHEM. ABSTR. REG. NO. 112-38-9
C11 H20 O2
MOL. WT. 184.3

$CH_2=CH_2(CH_2)_8COOH$

CONCENTRATION, G/LITER	10
NUMBER OF EVALUATORS	127
NUMBER WHO DETECTED ODOR	111
PERCENT WHO DETECTED ODOR	87

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

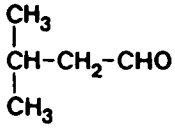
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	6.31	3.99	
2	LEMON	0.90	0.57	
3	GRAPEFRUIT	0.90	0.40	
4	ORANGE	2.70	1.85	
5	FRUITY, OTHER THAN CITRUS	11.71	8.47	**
6	PINEAPPLE	1.80	0.99	
7	GRAPE JUICE	0.90	0.57	
8	STRAWBERRY	2.70	2.31	
9	APPLE (FRUIT)	0.90	0.40	
10	PEAR	2.70	1.71	
11	CANTALOUPE, HONEY DEW MELON	0.90	0.81	
12	PEACH (FRUIT)	5.41	4.30	*
13	BANANA	0.00	0.00	
14	FLORAL	6.31	4.65	*
15	ROSE	2.70	1.56	
16	VIOLETS	0.90	0.40	
17	LAVENDER	0.90	0.57	
18	COLOGNE	1.80	1.40	
19	MUSK	0.90	0.40	
20	PERFUMERY	9.01	6.62	*
21	FRAGRANT	17.12	10.83	**
22	AROMATIC	12.61	7.98	*
23	HONEY	1.80	1.27	
24	CHERRY (BERRY)	0.90	0.90	
25	ALMOND	1.80	1.14	
26	NAIL POLISH REMOVER	1.80	1.61	
27	NUTTY (WALNUT ETC)	1.80	0.99	
28	SPICY	2.70	1.40	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.90	0.40	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.80	0.81	
39	WOODY, RESINOUS	20.72	12.22	***
40	CEDARWOOD	2.70	1.40	
41	MOTHBALLS	0.90	0.40	
42	MINTY, PEPPERMINT	0.90	0.40	
43	CAMPHOR	0.90	0.40	
44	EUCALIPTUS	0.90	0.81	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	18.92	13.19	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.90	0.40	
50	MALTY	2.70	1.71	
51	RAISINS	2.70	1.85	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.90	0.81	
54	ANISE (LICORICE)	0.90	0.40	
55	ALCOHOLIC	1.80	1.27	
56	ETHERISH, ANAESTHETIC	0.90	0.40	
57	CLEANING FLUID	1.80	0.81	
58	GASOLINE, SOLVENT	1.80	0.99	
59	TURPENTINE (PINE OIL)	0.90	0.40	
60	GERANIUM LEAVES	0.90	0.70	
61	CELERY	1.80	0.99	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.80	1.40	
64	CRUSHED GRASS	2.70	1.40	
65	HERBAL, GREEN, CUT GRASS	4.50	2.55	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.80	1.14	
68	GRAINY (AS GRAIN)	0.90	0.90	
69	YEASTY	0.90	0.81	
70	BAKERY (FRESH BREAD)	0.90	0.57	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.90	0.57	
74	SOAPY	5.41	3.12	
75	LEATHER	4.50	3.49	
76	CARDBOARD	2.70	2.42	
77	ROPE	2.70	1.85	
78	WET PAPER	4.50	2.38	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	2.70	1.56	
81	STALE	4.50	2.85	
82	MUSTY, EARTHY, MOLDY	8.11	5.92	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.90	0.57	
90	CORK	6.31	4.26	*
91	BURNT, SMOKY	4.50	3.12	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.70	1.40	
96	BURNT PAPER	0.90	0.70	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.90	0.40	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	1.80	1.14	
102	MEDICINAL	4.50	2.55	
103	CHEMICAL	7.21	4.56	*
104	BITTER	1.80	0.99	
105	SHARP, PUNGENT, ACID	2.70	1.21	
106	SOUR, VINEGAR	8.11	4.68	*
107	SAUERKRAUT	0.90	0.57	
108	AMMONIA	0.90	0.40	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.90	0.40	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	2.70	1.21	
114	NEW RUBBER	0.90	0.81	
115	SOOTY	2.70	1.21	
116	BURNT CANDLE	6.31	4.88	*
117	KEROSENE	0.90	0.40	
118	OILY, FATTY	12.61	7.07	*
119	BUTTERY, FRESH BUTTER	0.90	0.40	
120	PAINT	1.80	0.81	
121	VARNISH	0.90	0.57	
122	POPCORN	1.80	1.27	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.80	1.27	
125	SOUPY	0.90	0.40	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	3.60	1.97	
128	SWEATY	10.81	6.98	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.90	0.40	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.60	3.12	
134	BLOOD, RAW MEAT	0.90	0.57	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.90	0.40	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.90	0.57	
140	SICKENING	2.70	1.97	
141	DRY, POWDERY	9.91	7.20	*
142	CHALKY	2.70	2.42	
143	LIGHT	34.23	25.45	******
144	HEAVY	4.50	2.99	
145	COOL, COOLING	2.70	1.97	
146	WARM	9.91	5.51	

TABLE 140—Valeraldehyde: iso-Valeraldehyde

BUTANAL, 3-METHYL
ISOVALERIC ALDEHYDE

CHEM. ABSTR. REG. NO. 590-86-3
C5 H10 O1
MOL. WT. 86.1



CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 139
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

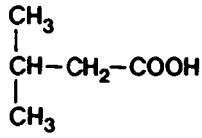
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.72	0.46	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.72	0.56	
4	ORANGE	0.72	0.46	
5	FRUITY, OTHER THAN CITRUS	5.76	4.55	*
6	PINEAPPLE	2.16	2.01	
7	GRAPE JUICE	1.44	1.11	
8	STRAWBERRY	0.72	0.32	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.44	0.79	
11	CANTALOUPE, HONEY DEW MELON	2.16	1.25	
12	PEACH (FRUIT)	0.72	0.64	
13	BANANA	2.16	1.37	
14	FLORAL	0.72	0.56	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	1.44	0.64	
20	PERFUMERY	2.16	1.76	
21	FRAGRANT	10.79	7.58	*
22	AROMATIC	14.39	11.51	**
23	HONEY	2.16	1.47	
24	CHERRY (BERRY)	2.88	2.13	
25	ALMOND	9.35	6.14	*
26	NAIL POLISH REMOVER	1.44	1.20	
27	NUTTY (WALNUT ETC)	3.60	2.59	
28	SPICY	4.32	2.84	
29	CLOVE	0.72	0.64	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	2.16	1.85	
39	WOODY, RESINOUS	20.86	13.97	***
40	CEDARWOOD	2.16	1.76	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	1.44	0.91	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	2.16	1.47	
46	VANILLA	2.88	1.70	
47	SWEET	12.95	8.85	**
48	MAPLE SYRUP	0.72	0.56	
49	CARAMEL	2.16	1.67	
50	MALTY	4.32	2.95	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.72	0.56	
53	COCONUT	0.72	0.32	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	3.60	2.28	
56	ETHERISH, ANAESTHETIC	5.04	3.99	
57	CLEANING FLUID	2.88	1.44	
58	GASOLINE, SOLVENT	2.16	1.58	
59	TURPENTINE (PINE OIL)	5.04	3.07	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.72	0.46	
62	FRESH GREEN VEGETABLES	0.72	0.32	

63	CRUSHED WEEDS	1.44	1.20	
64	CRUSHED GRASS	1.44	0.79	
65	HERBAL, GREEN, CUT GRASS	5.04	3.19	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.44	0.79	
68	GRAINY (AS GRAIN)	3.60	2.49	
69	YEASTY	7.19	4.77	*
70	BAKERY (FRESH BREAD)	0.72	0.64	
71	SOUR MILK	2.88	1.93	
72	FERMENTED (ROTTEN) FRUIT	3.60	2.88	
73	BEERY	0.00	0.00	
74	SOAPY	2.88	1.93	
75	LEATHER	4.32	2.36	
76	CARDBOARD	5.04	3.19	
77	ROPE	2.16	1.76	
78	WET PAPER	3.60	2.16	
79	WET WOOL, WET DOG	3.60	2.28	
80	DIRTY LINEN	6.47	4.42	*
81	STALE	8.63	6.50	*
82	MUSTY, EARTHY, MOLDY	17.99	12.67	***
83	RAW POTATO	1.44	1.02	
84	MOUSE	2.88	1.58	
85	MUSHROOM	2.88	1.93	
86	PEANUT BUTTER	1.44	0.91	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.72	0.32	
89	BARK, BIRCH BARK	2.88	2.23	
90	CORK	4.32	2.95	
91	BURNT, SMOKY	10.07	6.59	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.44	1.29	
94	COFFEE	0.72	0.56	
95	STALE TOBACCO SMOKE	1.44	0.79	
96	BURNT PAPER	0.72	0.46	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	1.44	0.79	
100	CREOSOTE	1.44	0.64	
101	DISINFECTANT, CARBOLIC	3.60	2.88	
102	MEDICINAL	2.16	1.25	
103	CHEMICAL	13.67	10.11	**
104	BITTER	5.04	3.61	
105	SHARP, PUNGENT, ACID	27.34	18.71	****
106	SOUR, VINEGAR	22.30	15.82	***
107	SAUERKRAUT	0.72	0.46	
108	AMMONIA	2.88	1.58	
109	URINE	2.16	1.76	
110	CAT URINE	0.72	0.64	
111	FISHY	3.60	2.03	
112	KIPPERY (SMOKED FISH)	1.44	1.11	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	1.44	0.79	
115	SOOTY	1.44	1.02	
116	BURNT CANDLE	2.16	1.58	
117	KEROSENE	0.72	0.46	
118	OILY, FATTY	17.99	11.15	**
119	BUTTERY, FRESH BUTTER	0.72	0.46	
120	PAINT	9.35	6.86	*
121	VARNISH	2.16	1.47	
122	POPCORN	1.44	1.02	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.72	0.32	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.72	0.46	
127	RANCID	23.02	16.18	****
128	SWEATY	23.74	16.32	****
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.44	0.64	
131	SULFIDIC	7.91	5.23	*
132	GARLIC, ONION	1.44	0.91	
133	METALLIC	4.32	2.49	
134	BLOOD, RAW MEAT	2.88	2.03	
135	ANIMAL	8.63	5.79	*
136	SEWER	8.63	5.68	*
137	PUTRID, FOUL, DECAYED	23.02	17.55	****
138	FECAL (LIKE MANURE)	7.91	6.13	*
139	CADAVEROUS (DEAD ANIMAL)	5.04	4.17	*
140	SICKENING	34.53	26.00	******
141	DRY, POWDERY	6.47	4.42	*
142	CHALKY	3.60	2.16	
143	LIGHT	5.76	4.73	*
144	HEAVY	29.50	22.38	*****
145	COOL, COOLING	2.88	1.93	
146	WARM	13.67	10.21	**

TABLE 141—Valeric Acid: iso-Valeric Acid

BUTANOIC ACID, 3-METHYL-
ISOPENTANOIC ACID

CHEM. ABSTR. REG. NO. 503-74-2
C5 H10 O2
MOL. WT. 102.1



CONCENTRATION, ML/LITER.....	5
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	139
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

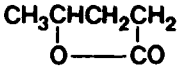
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.72	0.32	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.16	1.67	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.72	0.56	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.72	0.64	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.72	0.32	
19	MUSK	2.88	1.82	
20	PERFUMERY	2.88	1.82	
21	FRAGRANT	2.88	2.32	
22	AROMATIC	11.51	8.34	**
23	HONEY	0.72	0.32	
24	CHERRY (BERRY)	0.72	0.46	
25	ALMOND	2.16	1.47	
26	NAIL POLISH REMOVER	0.72	0.32	
27	NUTTY (WALNUT ETC)	0.72	0.46	
28	SPICY	0.00	0.00	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.72	0.56	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.72	0.32	
38	OAK WOOD, COGNAC	1.44	0.79	
39	WOODY, RESINOUS	3.60	2.28	
40	CEDARWOOD	0.72	0.46	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.72	0.56	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.72	0.72	
46	VANILLA	0.00	0.00	
47	SWEET	4.32	2.95	
48	MAPLE SYRUP	0.72	0.32	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	1.44	0.64	
57	CLEANING FLUID	0.72	0.32	
58	GASOLINE, SOLVENT	0.72	0.32	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.72	0.32	
61	CELERY	0.72	0.32	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	0.00	0.00	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	10.79	8.08	**
70	BAKERY (FRESH BREAD)	0.72	0.32	
71	SOUR MILK	17.27	11.90	**
72	FERMENTED (ROTTEN) FRUIT	7.19	4.07	*
73	BEERY	0.72	0.56	
74	SOAPY	0.72	0.46	
75	LEATHER	5.04	2.82	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.72	0.56	
78	WET PAPER	0.72	0.32	
79	WET WOOL, WET DOG	12.95	9.16	**
80	DIRTY LINEN	18.71	11.83	**
81	STALE	13.67	8.76	**
82	MUSTY, EARTHY, MOLDY	23.74	15.57	***
83	RAW POTATO	0.72	0.32	
84	MOUSE	2.88	1.70	
85	MUSHROOM	0.72	0.32	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	2.16	1.25	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.44	0.91	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	5.04	3.30	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.00	0.00	
94	COFFEE	0.72	0.32	
95	STALE TOBACCO SMOKE	1.44	0.64	
96	BURNT PAPER	2.16	1.11	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.44	1.02	
99	TAR	0.72	0.32	
100	CREOSOTE	0.72	0.32	
101	DISINFECTANT, CARBOLIC	2.16	1.11	
102	MEDICINAL	1.44	0.64	
103	CHEMICAL	5.76	3.40	
104	BITTER	7.19	4.88	*
105	SHARP, PUNGENT, ACID	29.50	21.80	*****
106	SOUR, VINEGAR	38.85	29.91	*******
107	SAUERKRAUT	5.76	3.97	
108	AMMONIA	2.88	1.58	
109	URINE	10.07	7.61	*
110	CAT URINE	3.60	2.59	
111	FISHY	4.32	2.73	
112	KIPPERY (SMOKED FISH)	0.72	0.32	
113	SEMINAL, SPERM-LIKE	0.72	0.32	
114	NEW RUBBER	0.72	0.46	
115	SOOTY	2.16	1.25	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	14.39	8.75	**
119	BUTTERY, FRESH BUTTER	4.32	2.09	
120	PAINT	1.44	0.64	
121	VARNISH	1.44	0.79	
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	2.16	1.37	
125	SOUPY	0.72	0.56	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	48.92	36.18	*********
128	SWEATY	58.27	42.46	**********
129	CHEESY	0.72	0.32	
130	HOUSEHOLD GAS	2.16	1.11	
131	SULFIDIC	8.63	5.35	*
132	GARLIC, ONION	4.32	2.36	
133	METALLIC	0.72	0.46	
134	BLOOD, RAW MEAT	7.19	3.52	
135	ANIMAL	17.99	11.93	**
136	SEWER	15.83	10.78	**
137	PUTRID, FOUL, DECAYED	43.17	31.03	*******
138	FECAL (LIKE MANURE)	39.57	31.11	*******
139	CADAVEROUS (DEAD ANIMAL)	15.83	11.49	**
140	SICKENING	64.75	51.35	**********
141	DRY, POWDERY	2.16	1.25	
142	CHALKY	0.72	0.32	
143	LIGHT	3.60	2.49	
144	HEAVY	33.09	26.90	******
145	COOL, COOLING	0.00	0.00	
146	WARM	12.95	9.36	**

TABLE 142—Valerolactone: gamma-Valerolactone

2(3H)-FURANONE, DIHYDRO-5-METHYL

CHEM. ABSTR. REG. NO. 108-29-2
C5 H8 O2
MOL. WT. 100.1



CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 124
NUMBER WHO DETECTED ODOR..... 118
PERCENT WHO DETECTED ODOR..... 95

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

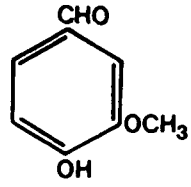
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.69	0.93	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.69	0.76	
5	FRUITY, OTHER THAN CITRUS	10.17	6.69	*
6	PINEAPPLE	0.85	0.38	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.85	0.54	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.85	0.38	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	1.69	0.76	
14	FLORAL	8.47	5.22	*
15	ROSE	3.39	2.01	
16	VIOLETS	1.69	1.07	
17	LAVENDER	1.69	0.76	
18	COLOGNE	3.39	2.40	
19	MUSK	0.85	0.54	
20	PERFUMERY	5.93	3.17	
21	FRAGRANT	25.42	15.67	***
22	AROMATIC	22.03	13.94	***
23	HONEY	5.08	3.08	
24	CHERRY (BERRY)	1.69	0.93	
25	ALMOND	1.69	1.20	
26	NAIL POLISH REMOVER	0.85	0.76	
27	NUTTY (WALNUT ETC)	1.69	1.20	
28	SPICY	3.39	2.14	
29	CLOVE	0.85	0.38	
30	CINNAMON	5.08	4.45	*
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.85	0.38	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.85	0.38	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.69	0.93	
39	WOODY, RESINOUS	16.10	9.77	**
40	CEDARWOOD	3.39	2.14	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	4.24	3.39	
43	CAMPHOR	1.69	0.93	
44	EUCALIPTUS	0.85	0.54	
45	CHOCOLATE	1.69	0.76	
46	VANILLA	4.24	2.54	
47	SWEET	33.05	21.82	*****
48	MAPLE SYRUP	0.85	0.66	
49	CARAMEL	2.54	1.31	
50	MALTY	0.85	0.54	
51	RAISINS	2.54	1.61	
52	MOLASSES	0.85	0.38	
53	COCONUT	11.86	10.13	**
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	5.93	4.01	*
56	ETHERISH, ANAESTHETIC	7.63	3.77	
57	CLEANING FLUID	2.54	1.47	
58	GASOLINE, SOLVENT	3.39	2.40	
59	TURPENTINE (PINE OIL)	4.24	2.40	
60	GERANIUM LEAVES	0.85	0.38	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	9.32	4.70	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	2.54	1.47	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.69	1.20	
70	BAKERY (FRESH BREAD)	1.69	1.31	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	4.24	2.68	
75	LEATHER	0.00	0.00	
76	CARDBOARD	1.69	0.93	
77	ROPE	0.00	0.00	
78	WET PAPER	0.85	0.38	
79	WET WOOL, WET DOG	0.85	0.38	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.39	1.52	
82	MUSTY, EARTHY, MOLDY	0.85	0.38	
83	RAW POTATO	0.85	0.66	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	2.54	1.74	
87	BEANY	0.85	0.54	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.85	0.38	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	4.24	1.89	
92	FRESH TOBACCO SMOKE	0.85	0.38	
93	INCENSE	1.69	1.20	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.69	1.07	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	5.93	2.84	
102	MEDICINAL	8.47	5.36	*
103	CHEMICAL	6.78	4.29	*
104	BITTER	0.85	0.38	
105	SHARP, PUNGENT, ACID	2.54	1.97	
106	SOUR, VINEGAR	1.69	0.76	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.69	0.76	
109	URINE	0.85	0.85	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.85	0.38	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	9.32	6.41	*
119	BUTTERY, FRESH BUTTER	0.85	0.38	
120	PAINT	5.93	3.01	
121	VARNISH	3.39	2.27	
122	POPCORN	1.69	0.93	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.69	0.93	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.54	1.61	
128	SWEATY	0.85	0.54	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.85	0.54	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.69	1.52	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.39	2.73	
141	DRY, POWDERY	6.78	4.15	*
142	CHALKY	1.69	0.76	
143	LIGHT	32.20	23.71	*****
144	HEAVY	9.32	6.88	*
145	COOL, COOLING	4.24	3.06	
146	WARM	7.63	4.69	

TABLE 143—Vanillin

BENZALDEHYDE, 4-HYDROXY-3-METHOXY

CHEM. ABSTR. REG. NO. 121-33-5
C8 H8 O3
MOL. WT. 152.0



CONCENTRATION, G/LITER.....	10
NUMBER OF EVALUATORS.....	149
NUMBER WHO DETECTED ODOR.....	149
PERCENT WHO DETECTED ODOR.....	100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

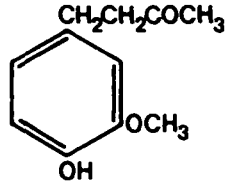
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.67	0.42	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	8.72	5.62	*
6	PINEAPPLE	0.67	0.42	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	2.01	1.27	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	2.68	1.70	
11	CANTALOUPE, HONEY DEW MELON	1.34	0.95	
12	PEACH (FRUIT)	2.01	1.04	
13	BANANA	4.70	3.08	
14	FLORAL	6.04	4.03	*
15	ROSE	2.68	1.70	
16	VIOLETS	1.34	0.85	
17	LAVENDER	4.03	2.75	
18	COLOGNE	2.68	1.80	
19	MUSK	2.01	0.90	
20	PERFUMERY	16.11	10.90	**
21	FRAGRANT	40.94	30.02	*******
22	AROMATIC	39.60	29.61	*******
23	HONEY	10.74	6.79	*
24	CHERRY (BERRY)	4.03	2.44	
25	ALMOND	14.77	8.79	**
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	4.70	2.51	
28	SPICY	6.04	4.03	*
29	CLOVE	2.68	1.20	
30	CINNAMON	6.71	3.68	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.67	0.30	
33	SEASONING (FOR MEAT)	0.67	0.30	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.67	0.42	
38	OAK WOOD, COGNAC	0.67	0.30	
39	WOODY, RESINOUS	8.72	4.72	*
40	CEDARWOOD	2.68	1.20	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	4.03	2.08	
43	CAMPHOR	0.67	0.42	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	48.32	39.70	*********
46	VANILLA	67.11	56.71	**********
47	SWEET	65.77	55.27	**********
48	MAPLE SYRUP	12.75	7.17	*
49	CARAMEL	26.17	17.08	****
50	MALTY	32.89	23.11	*****
51	RAISINS	4.03	2.32	
52	MOLASSES	5.37	3.18	
53	COCONUT	8.72	5.52	*
54	ANISE (LICORICE)	2.01	1.04	
55	ALCOHOLIC	0.67	0.30	
56	ETHERISH, ANAESTHETIC	1.34	0.74	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.67	0.30	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	2.01	1.04	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.34	1.04	
70	BAKERY (FRESH BREAD)	4.03	2.65	
71	SOUR MILK	1.34	1.04	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.67	0.30	
74	SOAPY	0.00	0.00	
75	LEATHER	0.67	0.30	
76	CARDBOARD	2.68	1.47	
77	ROPE	0.00	0.00	
78	WET PAPER	0.67	0.30	
79	WET WOOL, WET DOG	0.67	0.42	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.67	0.30	
82	MUSTY, EARTHY, MOLDY	2.01	1.16	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.67	0.42	
86	PEANUT BUTTER	0.67	0.42	
87	BEANY	1.34	0.60	
88	EGGY (FRESH EGGS)	0.67	0.30	
89	BARK, BIRCH BARK	0.67	0.30	
90	CORK	2.01	1.27	
91	BURNT, SMOKY	2.68	1.47	
92	FRESH TOBACCO SMOKE	1.34	0.74	
93	INCENSE	4.03	2.44	
94	COFFEE	1.34	0.74	
95	STALE TOBACCO SMOKE	0.67	0.30	
96	BURNT PAPER	0.67	0.30	
97	BURNT MILK	1.34	0.74	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.67	0.30	
101	DISINFECTANT, CARBOLIC	0.67	0.30	
102	MEDICINAL	0.67	0.52	
103	CHEMICAL	2.01	1.16	
104	BITTER	0.67	0.42	
105	SHARP, PUNGENT, ACID	2.01	1.38	
106	SOUR, VINEGAR	0.67	0.60	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.67	0.52	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.67	0.52	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	4.70	2.75	
119	BUTTERY, FRESH BUTTER	12.08	6.86	*
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	1.34	0.85	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.34	0.95	
127	RANCID	0.67	0.60	
128	SWEATY	1.34	0.95	
129	CHEESY	0.67	0.42	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.01	1.38	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	1.34	1.04	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.68	1.90	
141	DRY, POWDERY	13.42	9.00	**
142	CHALKY	0.00	0.00	
143	LIGHT	30.87	21.35	*****
144	HEAVY	15.44	10.28	**
145	COOL, COOLING	6.04	4.22	*
146	WARM	20.81	14.66	***

TABLE 144—Zingerone

2-BUTANONE, 4-(4-HYDROXY-3-METHOXYPHENYL)

CHEM. ABSTR. REG. NO. 122-48-5
C11 H14 O3
MOL. WT. 194.1



CONCENTRATION, ML/LITER.....	80
NUMBER OF EVALUATORS.....	124
NUMBER WHO DETECTED ODOR.....	122
PERCENT WHO DETECTED ODOR.....	98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.64	0.73	
2	LEMON	0.82	0.37	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.82	0.37	
5	FRUITY, OTHER THAN CITRUS	8.20	6.02	*
6	PINEAPPLE	0.82	0.52	
7	GRAPE JUICE	0.82	0.63	
8	STRAWBERRY	1.64	1.47	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.64	1.16	
12	PEACH (FRUIT)	1.64	0.90	
13	BANANA	0.00	0.00	
14	FLORAL	7.38	4.40	*
15	ROSE	1.64	1.04	
16	VIOLETS	1.64	1.16	
17	LAVENDER	0.82	0.82	
18	COLOGNE	0.82	0.37	
19	MUSK	4.92	2.84	
20	PERFUMERY	9.02	5.57	*
21	FRAGRANT	27.05	17.74	****
22	AROMATIC	21.31	13.86	***
23	HONEY	1.64	0.73	
24	CHERRY (BERRY)	6.56	5.39	*
25	ALMOND	12.30	7.38	*
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	13.11	8.16	**
29	CLOVE	0.82	0.37	
30	CINNAMON	1.64	0.90	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	1.64	0.90	
33	SEASONING (FOR MEAT)	2.46	1.56	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.82	0.37	
37	CARAWAY	0.82	0.52	
38	OAK WOOD, COGNAC	4.92	2.69	
39	WOODY, RESINOUS	19.67	11.91	**
40	CEDARWOOD	1.64	0.73	
41	MOTHBALLS	0.82	0.37	
42	MINTY, PEPPERMINT	5.74	3.63	
43	CAMPHOR	4.10	2.17	
44	EUCALIPTUS	2.46	1.68	
45	CHOCOLATE	1.64	1.16	
46	VANILLA	6.56	4.52	*
47	SWEET	29.51	20.51	*****
48	MAPLE SYRUP	1.64	0.90	
49	CARAMEL	1.64	0.73	
50	MALTY	3.28	1.80	
51	RAISINS	2.46	1.56	
52	MOLASSES	1.64	0.90	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.46	1.90	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	7.38	4.40	*
57	CLEANING FLUID	1.64	0.73	
58	GASOLINE, SOLVENT	0.82	0.52	
59	TURPENTINE (PINE OIL)	1.64	0.90	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.82	0.37	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.82	0.37	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	7.38	4.11	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.82	0.63	
68	GRAINY (AS GRAIN)	1.64	1.16	
69	YEASTY	2.46	1.68	
70	BAKERY (FRESH BREAD)	0.82	0.37	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.82	0.37	
73	BEERY	0.00	0.00	
74	SOAPY	1.64	0.90	
75	LEATHER	2.46	1.27	
76	CARDBOARD	1.64	0.73	
77	ROPE	0.00	0.00	
78	WET PAPER	0.82	0.37	
79	WET WOOL, WET DOG	0.82	0.37	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.64	1.04	
82	MUSTY, EARTHY, MOLDY	13.93	8.00	*
83	RAW POTATO	0.82	0.37	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	6.56	4.52	*
90	CORK	2.46	2.01	
91	BURNT, SMOKY	29.51	21.55	*****
92	FRESH TOBACCO SMOKE	0.82	0.37	
93	INCENSE	8.20	5.80	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.64	0.90	
96	BURNT PAPER	5.74	4.44	*
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.64	0.90	
99	TAR	1.64	1.04	
100	CREOSOTE	2.46	1.42	
101	DISINFECTANT, CARBOLIC	7.38	4.92	*
102	MEDICINAL	9.84	6.72	*
103	CHEMICAL	9.84	6.60	*
104	BITTER	0.00	0.00	
105	SHARP, PUNGENT, ACID	7.38	3.81	
106	SOUR, VINEGAR	4.92	2.54	
107	SAUERKRAUT	0.82	0.52	
108	AMMONIA	3.28	2.20	
109	URINE	0.82	0.37	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	4.10	3.17	
113	SEMINAL, SPERM-LIKE	0.82	0.37	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	2.46	1.27	
116	BURNT CANDLE	4.92	2.84	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	13.93	9.19	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	1.64	0.90	
121	VARNISH	1.64	1.04	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	7.38	5.82	*
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	4.92	3.24	
128	SWEATY	4.92	3.11	
129	CHEESY	0.82	0.52	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	1.64	0.90	
132	GARLIC, ONION	0.82	0.63	
133	METALLIC	3.28	1.94	
134	BLOOD, RAW MEAT	7.38	5.16	*
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.82	0.37	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	4.10	2.72	
141	DRY, POWDERY	7.38	3.81	
142	CHALKY	0.00	0.00	
143	LIGHT	21.31	14.36	***
144	HEAVY	13.11	9.27	**
145	COOL, COOLING	4.10	2.96	
146	WARM	15.57	10.48	

TABLE 145—Cedartone

MIXTURE OF HYDROCARBONS FROM
AMERICAN CEDARWOOD ACETYLATED

CONCENTRATION, ML/LITER..... 50
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 138
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.45	0.79	
2	LEMON	0.72	0.32	
3	GRAPEFRUIT	0.72	0.32	
4	ORANGE	0.72	0.32	
5	FRUITY, OTHER THAN CITRUS	1.45	1.21	
6	PINEAPPLE	0.72	0.46	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.65	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.72	0.46	
14	FLORAL	9.42	6.07	*
15	ROSE	2.17	1.12	
16	VIOLETS	2.17	1.12	
17	LAVENDER	1.45	1.12	
18	COLOGNE	6.52	4.56	*
19	MUSK	9.42	5.48	*
20	PERFUMERY	19.57	14.49	***
21	FRAGRANT	39.13	28.68	*******
22	AROMATIC	40.58	30.48	*******
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.62	2.71	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	9.42	6.40	*
28	SPICY	16.67	9.58	**
29	CLOVE	5.07	2.43	
30	CINNAMON	1.45	0.79	
31	LAUREL LEAVES	0.72	0.32	
32	TEA LEAVES	1.45	0.65	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	3.62	2.17	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.46	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	10.87	6.52	*
39	WOODY, RESINOUS	66.67	49.25	**********
40	CEDARWOOD	53.62	46.73	**********
41	MOTHBALLS	13.77	9.99	**
42	MINTY, PEPPERMINT	3.62	2.17	
43	CAMPHOR	11.59	7.88	*
44	EUCALIPTUS	2.90	1.45	
45	CHOCOLATE	1.45	0.79	
46	VANILLA	0.00	0.00	
47	SWEET	20.29	12.72	***
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.72	0.46	
50	MALTY	2.17	1.37	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	2.17	1.68	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.17	0.97	
56	ETHERISH, ANAESTHETIC	12.32	7.20	*
57	CLEANING FLUID	4.35	3.18	
58	GASOLINE, SOLVENT	1.45	0.65	
59	TURPENTINE (PINE OIL)	18.12	10.63	**
60	GERANIUM LEAVES	2.17	1.12	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	2.90	2.25	
64	CRUSHED GRASS	2.90	1.59	
65	HERBAL, GREEN, CUT GRASS	15.22	9.96	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	3.62	2.17	
68	GRAINY (AS GRAIN)	4.35	2.63	
69	YEASTY	0.72	0.56	
70	BAKERY (FRESH BREAD)	0.72	0.46	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.72	0.46	
73	BEERY	0.00	0.00	
74	SOAPY	3.62	2.29	
75	LEATHER	6.52	4.24	*
76	CARDBOARD	9.42	4.96	*
77	ROPE	2.90	1.45	
78	WET PAPER	1.45	0.65	
79	WET WOOL, WET DOG	3.62	2.17	
80	DIRTY LINEN	1.45	0.92	
81	STALE	6.52	4.12	*
82	MUSTY, EARTHY, MOLDY	26.09	17.71	****
83	RAW POTATO	2.17	1.59	
84	MOUSE	2.17	1.68	
85	MUSHROOM	0.72	0.32	
86	PEANUT BUTTER	2.90	2.05	
87	BEANY	0.72	0.32	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	18.12	10.63	**
90	CORK	9.42	5.23	*
91	BURNT, SMOKY	13.04	8.59	**
92	FRESH TOBACCO SMOKE	2.90	2.15	
93	INCENSE	13.04	8.25	**
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.90	1.71	
96	BURNT PAPER	1.45	0.79	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	3.62	2.05	
100	CREOSOTE	3.62	2.05	
101	DISINFECTANT, CARBOLIC	9.42	6.18	*
102	MEDICINAL	10.14	6.18	*
103	CHEMICAL	12.32	8.76	**
104	BITTER	5.80	3.55	
105	SHARP, PUNGENT, ACID	13.04	8.25	**
106	SOUR, VINEGAR	5.07	2.84	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.90	1.71	
109	URINE	1.45	0.79	
110	CAT URINE	1.45	0.92	
111	FISHY	0.72	0.46	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	2.90	1.30	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.90	1.45	
118	OILY, FATTY	7.25	4.23	*
119	BUTTERY, FRESH BUTTER	0.72	0.32	
120	PAINT	6.52	3.51	
121	VARNISH	3.62	2.05	
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.72	0.56	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.17	1.12	
128	SWEATY	6.52	4.12	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.72	0.32	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.62	2.40	
134	BLOOD, RAW MEAT	1.45	0.79	
135	ANIMAL	3.62	2.71	
136	SEWER	0.72	0.46	
137	PUTRID, FOUL, DECAYED	3.62	2.17	
138	FECAL (LIKE MANURE)	1.45	0.79	
139	CADAVEROUS (DEAD ANIMAL)	1.45	0.65	
140	SICKENING	5.80	3.78	
141	DRY, POWDERY	9.42	5.48	*
142	CHALKY	1.45	0.65	
143	LIGHT	15.94	11.27	**
144	HEAVY	21.74	16.75	****
145	COOL, COOLING	10.14	7.07	*
146	WARM	15.94	11.48	**

TABLE 146—Cedrone S

MIXTURE OF OXYGENATED CEDARWOOD HYDROCARBONS

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 126
NUMBER WHO DETECTED ODOR..... 126
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.79	0.35	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	2.38	1.51	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.79	0.35	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.79	0.61	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	7.94	5.61	*
15	ROSE	1.59	1.23	
16	VIOLETS	2.38	1.37	
17	LAVENDER	0.79	0.71	
18	COLOGNE	4.76	2.88	
19	MUSK	10.32	7.01	*
20	PERFUMERY	9.52	6.51	*
21	FRAGRANT	38.10	27.27	******
22	AROMATIC	25.40	18.07	****
23	HONEY	0.79	0.50	
24	CHERRY (BERRY)	1.59	1.00	
25	ALMOND	1.59	0.87	
26	NAIL POLISH REMOVER	0.79	0.35	
27	NUTTY (WALNUT ETC)	4.76	2.88	
28	SPICY	9.52	5.77	*
29	CLOVE	1.59	1.00	
30	CINNAMON	0.79	0.35	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.79	0.61	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	6.35	3.33	
39	WOODY, RESINOUS	51.59	38.92	*********
40	CEDARWOOD	62.70	55.81	**********
41	MOTHBALLS	11.90	9.01	**
42	MINTY, PEPPERMINT	2.38	1.84	
43	CAMPHOR	14.29	11.27	**
44	EUCALIPTUS	5.56	3.11	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	18.25	11.79	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	1.59	0.87	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	1.59	1.00	
54	ANISE (LICORICE)	0.79	0.50	
55	ALCOHOLIC	1.59	1.00	
56	ETHERISH, ANAESTHETIC	5.56	2.82	
57	CLEANING FLUID	1.59	1.00	
58	GASOLINE, SOLVENT	3.97	2.51	
59	TURPENTINE (PINE OIL)	13.49	8.66	**
60	GERANIUM LEAVES	0.79	0.61	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.79	0.35	
64	CRUSHED GRASS	0.79	0.50	
65	HERBAL, GREEN, CUT GRASS	17.46	10.79	**
66	RAW CUCUMBER	1.59	1.12	
67	HAY	6.35	3.89	
68	GRAINY (AS GRAIN)	2.38	1.23	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.59	0.87	
75	LEATHER	2.38	1.37	
76	CARDBOARD	3.17	2.01	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.38	1.51	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.59	1.12	
82	MUSTY, EARTHY, MOLDY	17.46	11.04	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	3.17	2.66	
85	MUSHROOM	0.79	0.50	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.79	0.35	
89	BARK, BIRCH BARK	11.90	7.90	*
90	CORK	5.56	3.11	
91	BURNT, SMOKY	7.94	4.63	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	8.73	6.00	*
94	COFFEE	0.79	0.50	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	1.59	1.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	2.38	1.51	
101	DISINFECTANT, CARBOLIC	10.32	6.00	*
102	MEDICINAL	6.35	3.76	
103	CHEMICAL	4.76	2.75	
104	BITTER	2.38	1.37	
105	SHARP, PUNGENT, ACID	7.14	4.88	*
106	SOUR, VINEGAR	0.79	0.71	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.79	0.35	
109	URINE	0.79	0.35	
110	CAT URINE	0.79	0.71	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	2.38	1.23	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.79	0.35	
118	OILY, FATTY	3.17	1.74	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	11.11	7.03	*
121	VARNISH	3.17	1.88	
122	POPCORN	0.79	0.50	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.79	0.71	
125	SOUPY	0.79	0.35	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.79	0.35	
128	SWEATY	3.97	2.10	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.79	0.50	
131	SULFIDIC	2.38	1.37	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.38	1.84	
134	BLOOD, RAW MEAT	0.79	0.35	
135	ANIMAL	5.56	4.30	*
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.79	0.50	
138	FECAL (LIKE MANURE)	0.79	0.61	
139	CADAVEROUS (DEAD ANIMAL)	0.79	0.35	
140	SICKENING	2.38	1.84	
141	DRY, POWDERY	9.52	6.15	*
142	CHALKY	1.59	0.71	
143	LIGHT	21.43	15.54	***
144	HEAVY	9.52	6.96	*
145	COOL, COOLING	11.90	8.25	**
146	WARM	15.87	11.22	

TABLE 147—Cinnamon Bark Oil (Ceylon)

MAJOR COMPONENTS: CINNAMALDEHYDE
EUGENOL
ACETEUGENOL

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 118
NUMBER WHO DETECTED ODOR..... 117
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	1.71	0.94	
2	LEMON	2.56	1.48	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.85	0.38	
5	FRUITY, OTHER THAN CITRUS	9.40	7.06	*
6	PINEAPPLE	0.85	0.38	
7	GRAPE JUICE	0.85	0.38	
8	STRAWBERRY	0.85	0.38	
9	APPLE (FRUIT)	0.85	0.76	
10	PEAR	3.42	2.16	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	1.71	1.32	
13	BANANA	0.85	0.38	
14	FLORAL	6.84	4.19	*
15	ROSE	2.56	1.48	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.85	0.38	
18	COLOGNE	1.71	0.94	
19	MUSK	0.85	0.54	
20	PERFUMERY	11.97	9.05	**
21	FRAGRANT	54.70	42.70	**********
22	AROMATIC	45.30	35.64	********
23	HONEY	5.98	3.03	
24	CHERRY (BERRY)	4.27	1.91	
25	ALMOND	1.71	0.76	
26	NAIL POLISH REMOVER	0.85	0.54	
27	NUTTY (WALNUT ETC)	1.71	0.76	
28	SPICY	59.83	51.17	**********
29	CLOVE	35.04	26.13	******
30	CINNAMON	87.18	78.74	**********
31	LAUREL LEAVES	0.85	0.54	
32	TEA LEAVES	7.69	5.85	*
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	4.27	2.96	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	2.56	1.32	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	7.69	4.73	*
40	CEDARWOOD	1.71	0.94	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	12.82	8.11	**
43	CAMPHOR	2.56	1.48	
44	EUCALIPTUS	1.71	0.76	
45	CHOCOLATE	0.85	0.38	
46	VANILLA	5.98	3.03	
47	SWEET	48.72	37.29	*********
48	MAPLE SYRUP	0.85	0.38	
49	CARAMEL	0.85	0.54	
50	MALTY	0.00	0.00	
51	RAISINS	4.27	3.20	
52	MOLASSES	0.85	0.38	
53	COCONUT	1.71	1.21	
54	ANISE (LICORICE)	4.27	2.70	
55	ALCOHOLIC	1.71	0.94	
56	ETHERISH, ANAESTHETIC	2.56	1.75	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.71	0.76	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	6.84	4.05	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.71	1.08	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	0.85	0.38	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	0.85	0.38	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.85	0.38	
89	BARK, BIRCH BARK	0.85	0.38	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	0.85	0.38	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	10.26	6.49	*
94	COFFEE	0.85	0.38	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	1.71	1.08	
102	MEDICINAL	5.13	3.11	
103	CHEMICAL	1.71	1.32	
104	BITTER	0.85	0.54	
105	SHARP, PUNGENT, ACID	8.55	4.83	*
106	SOUR, VINEGAR	0.00	0.00	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.42	1.87	
119	BUTTERY, FRESH BUTTER	0.85	0.38	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.85	0.76	
125	SOUPY	0.85	0.76	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	0.85	0.54	
129	CHEESY	2.56	1.32	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.71	0.94	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	0.85	0.66	
141	DRY, POWDERY	5.13	3.50	
142	CHALKY	0.85	0.54	
143	LIGHT	17.09	13.24	***
144	HEAVY	19.66	13.84	***
145	COOL, COOLING	17.95	13.11	***
146	WARM	29.91	22.95	

TABLE 148—Cinnamon Leaf Oil (Ceylon)

MAJOR COMPONENT: EUGENOL

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	5.47	3.92	
2	LEMON	5.47	3.46	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	8.59	5.68	*
5	FRUITY, OTHER THAN CITRUS	17.97	12.76	***
6	PINEAPPLE	2.34	1.35	
7	GRAPE JUICE	0.78	0.35	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.13	2.21	
11	CANTALOUPE, HONEY DEW MELON	0.78	0.49	
12	PEACH (FRUIT)	3.13	1.85	
13	BANANA	0.00	0.00	
14	FLORAL	10.16	6.04	*
15	ROSE	3.13	1.98	
16	VIOLETS	0.78	0.49	
17	LAVENDER	2.34	1.21	
18	COLOGNE	1.56	0.99	
19	MUSK	3.13	1.56	
20	PERFUMERY	11.72	7.41	*
21	FRAGRANT	45.31	34.08	********
22	AROMATIC	42.19	31.86	*******
23	HONEY	2.34	1.21	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	3.13	1.56	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	2.34	1.21	
28	SPICY	67.19	57.96	**********
29	CLOVE	51.56	41.43	**********
30	CINNAMON	57.03	46.53	**********
31	LAUREL LEAVES	3.13	1.98	
32	TEA LEAVES	8.59	5.79	*
33	SEASONING (FOR MEAT)	3.91	2.59	
34	BLACK PEPPER	3.91	2.82	
35	GREEN PEPPER	0.00	0.00	
36	DILL	2.34	1.71	
37	CARAWAY	0.78	0.35	
38	OAK WOOD, COGNAC	2.34	1.21	
39	WOODY, RESINOUS	9.38	6.05	*
40	CEDARWOOD	9.38	4.84	*
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	15.63	10.83	**
43	CAMPHOR	6.25	3.83	
44	EUCALIPTUS	2.34	1.60	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.78	0.35	
47	SWEET	47.66	35.58	********
48	MAPLE SYRUP	2.34	1.21	
49	CARAMEL	0.78	0.35	
50	MALTY	0.00	0.00	
51	RAISINS	12.50	10.08	**
52	MOLASSES	2.34	1.05	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	7.03	4.06	*
55	ALCOHOLIC	2.34	1.91	
56	ETHERISH, ANAESTHETIC	3.13	1.85	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.78	0.35	
59	TURPENTINE (PINE OIL)	2.34	1.60	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	1.56	0.99	
62	FRESH GREEN VEGETABLES	0.78	0.61	

63	CRUSHED WEEDS	1.56	0.70	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	8.59	5.44	*
66	RAW CUCUMBER	1.56	0.70	
67	HAY	0.78	0.61	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.78	0.49	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	4.69	3.42	
73	BEERY	0.78	0.35	
74	SOAPY	0.78	0.35	
75	LEATHER	0.78	0.49	
76	CARDBOARD	0.78	0.35	
77	ROPE	0.00	0.00	
78	WET PAPER	0.78	0.35	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.78	0.35	
82	MUSTY, EARTHY, MOLDY	3.13	1.71	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.78	0.70	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.78	0.35	
89	BARK, BIRCH BARK	3.13	1.71	
90	CORK	0.78	0.61	
91	BURNT, SMOKY	4.69	3.20	
92	FRESH TOBACCO SMOKE	0.78	0.49	
93	INCENSE	16.41	11.21	**
94	COFFEE	0.78	0.49	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	1.56	0.86	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.78	0.35	
100	CREOSOTE	0.78	0.35	
101	DISINFECTANT, CARBOLIC	3.91	2.07	
102	MEDICINAL	12.50	7.65	*
103	CHEMICAL	0.78	0.49	
104	BITTER	0.78	0.35	
105	SHARP, PUNGENT, ACID	12.50	8.03	**
106	SOUR, VINEGAR	5.47	3.20	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	2.34	1.60	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	3.13	2.42	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.13	1.71	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.78	0.35	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.56	0.99	
127	RANCID	0.78	0.49	
128	SWEATY	1.56	0.70	
129	CHEESY	0.78	0.35	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.78	0.35	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.78	0.35	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.78	0.49	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.34	1.35	
141	DRY, POWDERY	3.91	2.47	
142	CHALKY	0.00	0.00	
143	LIGHT	21.09	14.64	***
144	HEAVY	14.84	11.40	**
145	COOL, COOLING	19.53	14.51	***
146	WARM	20.31	15.22	

TABLE 149—Clove Bud Oil

MAJOR COMPONENTS: EUGENOL
ACETEUGENOL

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.94	2.49	
2	LEMON	1.57	0.70	
3	GRAPEFRUIT	1.57	0.70	
4	ORANGE	2.36	1.36	
5	FRUITY, OTHER THAN CITRUS	10.24	7.29	*
6	PINEAPPLE	1.57	1.32	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	1.57	1.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.79	0.50	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.79	0.50	
13	BANANA	3.94	2.95	
14	FLORAL	7.09	4.48	*
15	ROSE	1.57	1.00	
16	VIOLETS	0.79	0.79	
17	LAVENDER	2.36	1.06	
18	COLOGNE	3.15	1.73	
19	MUSK	0.79	0.35	
20	PERFUMERY	8.66	5.09	*
21	FRAGRANT	41.73	30.22	*******
22	AROMATIC	31.50	24.50	******
23	HONEY	4.72	2.59	
24	CHERRY (BERRY)	2.36	1.61	
25	ALMOND	3.94	2.08	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	2.36	1.49	
28	SPICY	61.42	49.76	**********
29	CLOVE	56.69	50.88	**********
30	CINNAMON	33.07	24.15	******
31	LAUREL LEAVES	0.79	0.50	
32	TEA LEAVES	7.09	4.96	*
33	SEASONING (FOR MEAT)	6.30	4.23	*
34	BLACK PEPPER	0.79	0.35	
35	GREEN PEPPER	0.00	0.00	
36	DILL	1.57	1.32	
37	CARAWAY	1.57	0.70	
38	OAK WOOD, COGNAC	3.15	2.11	
39	WOODY, RESINOUS	8.66	4.96	*
40	CEDARWOOD	6.30	3.73	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	13.39	9.30	**
43	CAMPHOR	2.36	1.36	
44	EUCALIPTUS	2.36	1.73	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.36	1.49	
47	SWEET	38.58	27.23	******
48	MAPLE SYRUP	0.79	0.50	
49	CARAMEL	0.79	0.50	
50	MALTY	0.79	0.50	
51	RAISINS	3.94	3.15	
52	MOLASSES	2.36	1.49	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	4.72	2.73	
55	ALCOHOLIC	3.15	2.44	
56	ETHERISH, ANAESTHETIC	2.36	1.83	
57	CLEANING FLUID	0.79	0.50	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.57	0.86	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	8.66	4.37	*
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	1.57	0.70	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.79	0.50	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.57	0.86	
73	BEERY	0.00	0.00	
74	SOAPY	1.57	1.00	
75	LEATHER	0.79	0.35	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	2.36	1.06	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.36	1.36	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	6.30	2.99	
92	FRESH TOBACCO SMOKE	1.57	0.70	
93	INCENSE	8.66	6.18	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.79	0.35	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	1.57	1.11	
101	DISINFECTANT, CARBOLIC	2.36	1.49	
102	MEDICINAL	14.96	10.74	**
103	CHEMICAL	4.72	2.73	
104	BITTER	2.36	1.22	
105	SHARP, PUNGENT, ACID	12.60	7.71	*
106	SOUR, VINEGAR	3.94	2.23	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.79	0.35	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.79	0.50	
117	KEROSENE	0.79	0.50	
118	OILY, FATTY	2.36	1.22	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.79	0.50	
122	POPCORN	0.79	0.70	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.57	1.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.36	1.73	
128	SWEATY	0.79	0.35	
129	CHEESY	1.57	0.70	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	3.15	1.57	
133	METALLIC	0.00	0.00	
134	BLOOD, RAW MEAT	0.79	0.35	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.79	0.35	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.36	1.61	
141	DRY, POWDERY	4.72	2.86	
142	CHALKY	0.00	0.00	
143	LIGHT	23.62	16.25	****
144	HEAVY	17.32	12.69	***
145	COOL, COOLING	14.17	10.35	**
146	WARM	20.47	14.36	***

TABLE 150—Eucalyptus Oil

MAJOR COMPONENT: CITRONELLAL

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 127
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.72	3.23	
2	LEMON	7.09	4.72	*
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	1.57	1.11	
5	FRUITY, OTHER THAN CITRUS	0.79	0.35	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	6.30	3.86	
15	ROSE	0.00	0.00	
16	VIOLETS	2.36	1.36	
17	LAVENDER	1.57	1.11	
18	COLOGNE	2.36	1.36	
19	MUSK	0.79	0.70	
20	PERFUMERY	6.30	3.98	
21	FRAGRANT	29.13	20.88	*****
22	AROMATIC	30.71	21.88	*****
23	HONEY	0.79	0.70	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	1.57	0.70	
26	NAIL POLISH REMOVER	3.94	2.61	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	13.39	8.71	**
29	CLOVE	0.79	0.35	
30	CINNAMON	2.36	1.73	
31	LAUREL LEAVES	0.79	0.50	
32	TEA LEAVES	0.79	0.35	
33	SEASONING (FOR MEAT)	2.36	1.61	
34	BLACK PEPPER	1.57	0.86	
35	GREEN PEPPER	0.79	0.35	
36	DILL	1.57	1.00	
37	CARAWAY	0.79	0.50	
38	OAK WOOD, COGNAC	1.57	0.70	
39	WOODY, RESINOUS	13.39	8.21	**
40	CEDARWOOD	7.09	4.48	*
41	MOTHBALLS	1.57	1.00	
42	MINTY, PEPPERMINT	22.05	14.67	***
43	CAMPHOR	33.86	25.40	******
44	EUCALIPTUS	29.13	24.61	******
45	CHOCOLATE	0.79	0.61	
46	VANILLA	0.00	0.00	
47	SWEET	13.39	7.95	*
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.79	0.35	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	3.94	2.61	
55	ALCOHOLIC	6.30	3.86	
56	ETHERISH, ANAESTHETIC	16.54	10.46	**
57	CLEANING FLUID	4.72	2.99	
58	GASOLINE, SOLVENT	5.51	3.61	
59	TURPENTINE (PINE OIL)	18.90	13.80	***
60	GERANIUM LEAVES	3.94	2.08	
61	CELERY	1.57	0.70	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	0.79	0.50	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	14.17	9.09	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.79	0.35	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.79	0.79	
73	BEERY	0.79	0.50	
74	SOAPY	2.36	1.49	
75	LEATHER	1.57	1.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.79	0.35	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	3.15	1.41	
82	MUSTY, EARTHY, MOLDY	4.72	2.99	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.36	1.49	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	7.09	4.36	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	3.15	1.99	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.57	0.70	
96	BURNT PAPER	0.79	0.35	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.79	0.35	
99	TAR	4.72	2.73	
100	CREOSOTE	3.15	1.73	
101	DISINFECTANT, CARBOLIC	16.54	11.75	**
102	MEDICINAL	37.01	29.07	*******
103	CHEMICAL	15.75	10.91	**
104	BITTER	5.51	3.61	
105	SHARP, PUNGENT, ACID	16.54	11.30	**
106	SOUR, VINEGAR	10.24	6.09	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.36	1.61	
109	URINE	0.00	0.00	
110	CAT URINE	0.79	0.35	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.79	0.50	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	2.36	1.49	
118	OILY, FATTY	6.30	3.98	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	11.81	8.94	**
121	VARNISH	6.30	4.45	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	1.57	1.22	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.79	0.35	
127	RANCID	4.72	2.86	
128	SWEATY	5.51	3.09	
129	CHEESY	0.79	0.50	
130	HOUSEHOLD GAS	3.15	1.73	
131	SULFIDIC	5.51	3.09	
132	GARLIC, ONION	11.02	6.97	*
133	METALLIC	0.79	0.35	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.79	0.61	
137	PUTRID, FOUL, DECAYED	5.51	3.49	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.79	0.35	
140	SICKENING	7.87	4.72	*
141	DRY, POWDERY	2.36	1.49	
142	CHALKY	0.00	0.00	
143	LIGHT	26.77	20.12	*****
144	HEAVY	17.32	13.11	***
145	COOL, COOLING	32.28	25.11	******
146	WARM	12.60	9.55	**

TABLE 151—Garlic Oil

MAJOR COMPONENTS: ALLICIN
ORGANIC SULFIDES

CONCENTRATION, ML/LITER..... 5
NUMBER OF EVALUATORS..... 138
NUMBER WHO DETECTED ODOR..... 137
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	1.46	0.80	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.73	0.73	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	2.19	1.70	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	5.11	3.96	
22	AROMATIC	24.09	19.12	****
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	2.19	1.70	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	1.46	1.03	
28	SPICY	30.66	24.31	******
29	CLOVE	0.73	0.46	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	24.82	17.24	****
34	BLACK PEPPER	8.03	5.41	*
35	GREEN PEPPER	2.19	1.50	
36	DILL	4.38	3.49	
37	CARAWAY	1.46	0.80	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	3.65	2.06	
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	4.38	2.40	
48	MAPLE SYRUP	0.73	0.46	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.46	0.92	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	2.19	1.38	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	2.19	1.13	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.73	0.33	
61	CELERY	4.38	2.65	
62	FRESH GREEN VEGETABLES	3.65	2.06	

63	CRUSHED WEEDS	2.19	1.38	
64	CRUSHED GRASS	1.46	0.65	
65	HERBAL, GREEN, CUT GRASS	2.19	1.26	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.73	0.46	
68	GRAINY (AS GRAIN)	0.73	0.33	
69	YEASTY	2.92	1.96	
70	BAKERY (FRESH BREAD)	0.73	0.33	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.73	0.46	
73	BEERY	0.00	0.00	
74	SOAPY	0.73	0.33	
75	LEATHER	0.73	0.33	
76	CARDBOARD	1.46	0.80	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	2.92	1.31	
80	DIRTY LINEN	2.92	1.60	
81	STALE	6.57	4.27	*
82	MUSTY, EARTHY, MOLDY	8.76	5.42	*
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.73	0.46	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.73	0.46	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.73	0.46	
90	CORK	0.73	0.46	
91	BURNT, SMOKY	12.41	8.41	**
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.73	0.46	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.73	0.33	
96	BURNT PAPER	3.65	2.42	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	2.19	1.79	
99	TAR	2.92	1.85	
100	CREOSOTE	0.73	0.46	
101	DISINFECTANT, CARBOLIC	1.46	0.80	
102	MEDICINAL	2.19	1.26	
103	CHEMICAL	8.76	6.30	*
104	BITTER	8.76	6.09	*
105	SHARP, PUNGENT, ACID	34.31	26.00	******
106	SOUR, VINEGAR	13.14	9.29	**
107	SAUERKRAUT	5.11	2.86	
108	AMMONIA	1.46	1.03	
109	URINE	1.46	0.92	
110	CAT URINE	0.73	0.33	
111	FISHY	3.65	2.63	
112	KIPPERY (SMOKED FISH)	0.73	0.33	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	3.65	2.06	
115	SOOTY	1.46	0.65	
116	BURNT CANDLE	1.46	0.80	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	10.22	6.35	*
119	BUTTERY, FRESH BUTTER	3.65	2.06	
120	PAINT	0.73	0.33	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.73	0.33	
124	MEATY (COOKED, GOOD)	8.76	5.30	*
125	SOUPY	1.46	0.80	
126	COOKED VEGETABLES	5.84	3.06	
127	RANCID	8.03	5.52	*
128	SWEATY	6.57	3.53	
129	CHEESY	1.46	0.80	
130	HOUSEHOLD GAS	10.22	5.73	*
131	SULFIDIC	21.90	15.89	***
132	GARLIC, ONION	76.64	70.96	**********
133	METALLIC	9.49	6.76	*
134	BLOOD, RAW MEAT	0.73	0.65	
135	ANIMAL	1.46	0.92	
136	SEWER	5.11	3.45	
137	PUTRID, FOUL, DECAYED	10.95	7.59	*
138	FECAL (LIKE MANURE)	0.73	0.46	
139	CADAVEROUS (DEAD ANIMAL)	5.84	4.33	*
140	SICKENING	29.20	21.46	*****
141	DRY, POWDERY	9.49	6.34	*
142	CHALKY	0.00	0.00	
143	LIGHT	4.38	2.77	
144	HEAVY	33.58	27.12	******
145	COOL, COOLING	2.92	2.26	
146	WARM	8.76	6.09	*

TABLE 152—Oenantic Ether

MIXTURE OF ETHYL ESTERS OF THE
FATTY ACIDS ISOLATED FROM
COCONUT OIL

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 123
NUMBER WHO DETECTED ODOR..... 114
PERCENT WHO DETECTED ODOR..... 93

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	4.39	2.32	
2	LEMON	3.51	2.22	
3	GRAPEFRUIT	0.88	0.39	
4	ORANGE	2.63	1.80	
5	FRUITY, OTHER THAN CITRUS	7.89	5.52	*
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.88	0.78	
8	STRAWBERRY	0.88	0.39	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	3.51	3.04	
11	CANTALOUPE, HONEY DEW MELON	0.88	0.39	
12	PEACH (FRUIT)	1.75	0.96	
13	BANANA	0.88	0.68	
14	FLORAL	7.89	5.26	*
15	ROSE	0.88	0.39	
16	VIOLETS	0.00	0.00	
17	LAVENDER	1.75	1.24	
18	COLOGNE	4.39	2.63	
19	MUSK	3.51	1.92	
20	PERFUMERY	11.40	6.48	*
21	FRAGRANT	20.18	12.34	***
22	AROMATIC	13.16	8.04	**
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.88	0.39	
25	ALMOND	0.88	0.39	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	2.63	1.80	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	0.88	0.55	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.88	0.68	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.75	0.78	
39	WOODY, RESINOUS	14.04	8.88	**
40	CEDARWOOD	1.75	0.96	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.88	0.55	
43	CAMPHOR	1.75	0.96	
44	EUCALIPTUS	1.75	0.96	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	20.18	11.44	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	1.75	1.24	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.75	1.47	
56	ETHERISH, ANAESTHETIC	2.63	1.36	
57	CLEANING FLUID	1.75	1.36	
58	GASOLINE, SOLVENT	2.63	1.80	
59	TURPENTINE (PINE OIL)	1.75	0.78	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.88	0.68	

63	CRUSHED WEEDS	0.88	0.55	
64	CRUSHED GRASS	0.88	0.55	
65	HERBAL, GREEN, CUT GRASS	6.14	3.44	
66	RAW CUCUMBER	0.88	0.39	
67	HAY	1.75	1.11	
68	GRAINY (AS GRAIN)	2.63	1.80	
69	YEASTY	1.75	1.36	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.88	0.55	
72	FERMENTED (ROTTEN) FRUIT	0.88	0.55	
73	BEERY	0.88	0.68	
74	SOAPY	43.86	34.98	********
75	LEATHER	0.88	0.39	
76	CARDBOARD	4.39	2.48	
77	ROPE	0.00	0.00	
78	WET PAPER	0.88	0.39	
79	WET WOOL, WET DOG	2.63	1.66	
80	DIRTY LINEN	3.51	2.35	
81	STALE	4.39	2.32	
82	MUSTY, EARTHY, MOLDY	7.89	4.24	*
83	RAW POTATO	1.75	1.11	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.88	0.68	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	2.63	1.80	
90	CORK	1.75	0.96	
91	BURNT, SMOKY	4.39	2.15	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.75	1.24	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.63	1.66	
96	BURNT PAPER	0.88	0.39	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.88	0.68	
99	TAR	1.75	0.78	
100	CREOSOTE	1.75	1.24	
101	DISINFECTANT, CARBOLIC	7.02	4.15	*
102	MEDICINAL	5.26	3.46	
103	CHEMICAL	11.40	7.62	*
104	BITTER	4.39	2.63	
105	SHARP, PUNGENT, ACID	12.28	7.48	*
106	SOUR, VINEGAR	8.77	5.41	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	2.63	1.66	
109	URINE	2.63	1.92	
110	CAT URINE	1.75	1.11	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.88	0.39	
114	NEW RUBBER	0.88	0.68	
115	SOOTY	1.75	1.11	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.88	0.55	
118	OILY, FATTY	18.42	10.79	**
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.88	0.39	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	7.02	4.44	*
128	SWEATY	7.89	5.26	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.88	0.78	
132	GARLIC, ONION	2.63	2.63	
133	METALLIC	5.26	3.60	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.88	0.39	
136	SEWER	1.75	1.11	
137	PUTRID, FOUL, DECAYED	7.02	5.32	*
138	FECAL (LIKE MANURE)	0.88	0.55	
139	CADAVEROUS (DEAD ANIMAL)	0.88	0.39	
140	SICKENING	14.91	11.32	**
141	DRY, POWDERY	13.16	8.46	**
142	CHALKY	3.51	1.92	
143	LIGHT	28.95	19.65	****
144	HEAVY	8.77	5.55	*
145	COOL, COOLING	7.02	4.84	*
146	WARM	7.89	4.99	

TABLE 153—Onion Oil

MAJOR COMPONENTS: ORGANIC SULFIDES

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	4.69	2.96	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.00	0.00	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	1.56	1.10	
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	4.69	3.73	
22	AROMATIC	17.97	14.41	***
23	HONEY	0.00	0.00	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	0.78	0.49	
28	SPICY	18.75	15.40	***
29	CLOVE	0.00	0.00	
30	CINNAMON	0.78	0.35	
31	LAUREL LEAVES	0.78	0.35	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	13.28	9.00	**
34	BLACK PEPPER	6.25	4.42	*
35	GREEN PEPPER	3.91	2.47	
36	DILL	8.59	5.91	*
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	7.03	4.69	*
40	CEDARWOOD	0.00	0.00	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.78	0.35	
43	CAMPHOR	0.78	0.35	
44	EUCALIPTUS	1.56	0.70	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	6.25	3.56	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	0.00	0.00	
56	ETHERISH, ANAESTHETIC	2.34	1.21	
57	CLEANING FLUID	1.56	1.31	
58	GASOLINE, SOLVENT	6.25	3.95	
59	TURPENTINE (PINE OIL)	0.00	0.00	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	3.13	1.85	
62	FRESH GREEN VEGETABLES	1.56	0.86	

63	CRUSHED WEEDS	3.13	1.56	
64	CRUSHED GRASS	1.56	0.99	
65	HERBAL, GREEN, CUT GRASS	11.72	7.41	*
66	RAW CUCUMBER	0.78	0.61	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	2.34	1.21	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	1.56	0.99	
73	BEERY	0.00	0.00	
74	SOAPY	0.78	0.78	
75	LEATHER	0.78	0.49	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	1.56	0.86	
79	WET WOOL, WET DOG	3.13	1.56	
80	DIRTY LINEN	0.78	0.35	
81	STALE	7.81	5.18	*
82	MUSTY, EARTHY, MOLDY	5.47	3.58	
83	RAW POTATO	0.78	0.35	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.78	0.35	
89	BARK, BIRCH BARK	0.78	0.49	
90	CORK	0.78	0.35	
91	BURNT, SMOKY	19.53	13.07	***
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	2.34	1.71	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	3.13	1.56	
96	BURNT PAPER	1.56	0.99	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	6.25	4.31	*
99	TAR	1.56	0.70	
100	CREOSOTE	2.34	1.05	
101	DISINFECTANT, CARBOLIC	2.34	1.48	
102	MEDICINAL	3.91	2.34	
103	CHEMICAL	11.72	8.98	**
104	BITTER	9.38	7.36	*
105	SHARP, PUNGENT, ACID	29.69	22.38	*****
106	SOUR, VINEGAR	21.88	15.25	***
107	SAUERKRAUT	3.91	2.07	
108	AMMONIA	3.13	1.40	
109	URINE	3.13	2.32	
110	CAT URINE	1.56	1.10	
111	FISHY	3.13	1.85	
112	KIPPERY (SMOKED FISH)	1.56	0.86	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	7.81	5.63	*
115	SOOTY	0.78	0.49	
116	BURNT CANDLE	0.78	0.49	
117	KEROSENE	1.56	0.70	
118	OILY, FATTY	14.84	9.75	**
119	BUTTERY, FRESH BUTTER	0.78	0.35	
120	PAINT	1.56	1.21	
121	VARNISH	0.78	0.35	
122	POPCORN	0.78	0.49	
123	FRIED CHICKEN	0.78	0.61	
124	MEATY (COOKED, GOOD)	10.16	6.90	*
125	SOUPY	4.69	2.96	
126	COOKED VEGETABLES	7.03	4.32	*
127	RANCID	14.84	10.44	**
128	SWEATY	12.50	7.53	*
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	7.81	5.41	*
131	SULFIDIC	24.22	18.66	****
132	GARLIC, ONION	75.78	71.11	**********
133	METALLIC	4.69	3.53	
134	BLOOD, RAW MEAT	2.34	1.35	
135	ANIMAL	3.13	2.71	
136	SEWER	9.38	5.55	*
137	PUTRID, FOUL, DECAYED	19.53	14.08	***
138	FECAL (LIKE MANURE)	3.13	2.32	
139	CADAVEROUS (DEAD ANIMAL)	3.91	3.03	
140	SICKENING	35.16	27.43	******
141	DRY, POWDERY	3.13	2.21	
142	CHALKY	0.00	0.00	
143	LIGHT	1.56	1.10	
144	HEAVY	39.84	33.85	********
145	COOL, COOLING	1.56	0.99	
146	WARM	13.28	10.59	**

TABLE 154—Patchouli Oil

MAJOR COMPONENT: PATCHOULI ALCOHOL

CONCENTRATION, ML/LITER..... 40
NUMBER OF EVALUATORS..... 139
NUMBER WHO DETECTED ODOR..... 138
PERCENT WHO DETECTED ODOR..... 99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	3.62	2.05	
2	LEMON	7.25	4.23	*
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.72	0.32	
5	FRUITY, OTHER THAN CITRUS	2.90	2.25	
6	PINEAPPLE	0.72	0.32	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.72	0.46	
11	CANTALOUPE, HONEY DEW MELON	1.45	0.79	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	0.00	0.00	
14	FLORAL	11.59	8.20	**
15	ROSE	2.17	1.12	
16	VIOLETS	1.45	0.92	
17	LAVENDER	4.35	2.86	
18	COLOGNE	5.07	3.64	
19	MUSK	8.70	5.27	*
20	PERFUMERY	22.46	17.31	****
21	FRAGRANT	42.03	32.93	********
22	AROMATIC	31.88	25.97	******
23	HONEY	0.72	0.65	
24	CHERRY (BERRY)	2.90	1.71	
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	5.07	3.54	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	19.57	13.78	***
29	CLOVE	5.80	3.67	
30	CINNAMON	1.45	0.65	
31	LAUREL LEAVES	2.17	1.37	
32	TEA LEAVES	1.45	0.92	
33	SEASONING (FOR MEAT)	0.72	0.46	
34	BLACK PEPPER	5.80	4.20	*
35	GREEN PEPPER	0.72	0.46	
36	DILL	0.00	0.00	
37	CARAWAY	2.90	1.83	
38	OAK WOOD, COGNAC	4.35	2.97	
39	WOODY, RESINOUS	34.78	25.20	******
40	CEDARWOOD	34.78	26.09	******
41	MOTHBALLS	12.32	8.02	**
42	MINTY, PEPPERMINT	18.12	12.96	***
43	CAMPHOR	34.06	25.53	******
44	EUCALIPTUS	15.22	10.40	**
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.72	0.32	
47	SWEET	17.39	11.88	**
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.72	0.46	
51	RAISINS	1.45	0.65	
52	MOLASSES	0.72	0.32	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.17	1.37	
55	ALCOHOLIC	5.80	4.00	
56	ETHERISH, ANAESTHETIC	15.22	9.74	**
57	CLEANING FLUID	10.14	6.86	*
58	GASOLINE, SOLVENT	5.07	3.43	
59	TURPENTINE (PINE OIL)	25.36	17.68	****
60	GERANIUM LEAVES	2.90	1.83	
61	CELERY	0.72	0.32	
62	FRESH GREEN VEGETABLES	0.72	0.56	

63	CRUSHED WEEDS	2.90	1.83	
64	CRUSHED GRASS	1.45	0.92	
65	HERBAL, GREEN, CUT GRASS	18.84	11.68	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	1.45	0.92	
68	GRAINY (AS GRAIN)	0.72	0.46	
69	YEASTY	1.45	0.79	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.72	0.32	
74	SOAPY	6.52	4.01	*
75	LEATHER	2.90	1.71	
76	CARDBOARD	2.17	1.26	
77	ROPE	0.00	0.00	
78	WET PAPER	1.45	0.92	
79	WET WOOL, WET DOG	0.72	0.32	
80	DIRTY LINEN	0.72	0.32	
81	STALE	2.90	1.83	
82	MUSTY, EARTHY, MOLDY	11.59	7.33	*
83	RAW POTATO	0.72	0.32	
84	MOUSE	0.72	0.56	
85	MUSHROOM	0.72	0.32	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.72	0.65	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	9.42	5.23	*
90	CORK	2.90	1.71	
91	BURNT, SMOKY	3.62	2.61	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	21.01	16.37	****
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.72	0.72	
96	BURNT PAPER	0.72	0.32	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.72	0.32	
99	TAR	2.90	1.71	
100	CREOSOTE	6.52	4.24	*
101	DISINFECTANT, CARBOLIC	25.36	17.68	****
102	MEDICINAL	23.19	16.40	****
103	CHEMICAL	10.87	7.21	*
104	BITTER	1.45	1.30	
105	SHARP, PUNGENT, ACID	11.59	7.56	*
106	SOUR, VINEGAR	2.90	1.59	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	5.80	3.55	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.72	0.32	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.72	0.56	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	1.45	0.65	
116	BURNT CANDLE	0.72	0.46	
117	KEROSENE	2.90	1.94	
118	OILY, FATTY	6.52	3.89	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	10.87	6.87	*
121	VARNISH	6.52	4.66	*
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.72	0.65	
128	SWEATY	4.35	2.97	
129	CHEESY	2.90	1.83	
130	HOUSEHOLD GAS	1.45	0.65	
131	SULFIDIC	1.45	1.02	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	1.45	0.65	
134	BLOOD, RAW MEAT	1.45	0.65	
135	ANIMAL	3.62	2.05	
136	SEWER	0.72	0.65	
137	PUTRID, FOUL, DECAYED	0.72	0.72	
138	FECAL (LIKE MANURE)	1.45	0.79	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	5.07	3.54	
141	DRY, POWDERY	7.25	5.12	*
142	CHALKY	0.72	0.56	
143	LIGHT	15.22	10.71	**
144	HEAVY	21.01	16.28	****
145	COOL, COOLING	25.36	18.39	****
146	WARM	16.67	11.53	**

TABLE 155—Perfume "Charlie"

COMMERCIAL PERFUME

CONCENTRATION, ML/LITER..... 10
NUMBER OF EVALUATORS..... 140
NUMBER WHO DETECTED ODOR..... 137
PERCENT WHO DETECTED ODOR..... 98

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	11.68	8.76	**
2	LEMON	10.95	7.26	*
3	GRAPEFRUIT	1.46	0.80	
4	ORANGE	7.30	4.95	*
5	FRUITY, OTHER THAN CITRUS	18.98	13.00	***
6	PINEAPPLE	4.38	2.12	
7	GRAPE JUICE	0.73	0.57	
8	STRAWBERRY	3.65	2.06	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.46	0.92	
11	CANTALOUPE, HONEY DEW MELON	8.03	5.63	*
12	PEACH (FRUIT)	1.46	0.92	
13	BANANA	2.19	0.98	
14	FLORAL	56.20	41.01	**********
15	ROSE	27.01	14.73	***
16	VIOLETS	9.49	6.12	*
17	LAVENDER	8.76	5.65	*
18	COLOGNE	23.36	17.42	****
19	MUSK	5.84	3.45	
20	PERFUMERY	67.88	56.31	**********
21	FRAGRANT	77.37	57.92	**********
22	AROMATIC	43.07	30.81	*******
23	HONEY	2.19	1.13	
24	CHERRY (BERRY)	2.92	1.85	
25	ALMOND	2.92	1.96	
26	NAIL POLISH REMOVER	1.46	0.65	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	5.11	2.59	
29	CLOVE	0.00	0.00	
30	CINNAMON	1.46	1.03	
31	LAUREL LEAVES	2.19	1.26	
32	TEA LEAVES	2.19	1.50	
33	SEASONING (FOR MEAT)	0.73	0.33	
34	BLACK PEPPER	0.73	0.33	
35	GREEN PEPPER	0.73	0.33	
36	DILL	0.73	0.33	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.73	0.57	
39	WOODY, RESINOUS	6.57	4.38	*
40	CEDARWOOD	2.92	1.73	
41	MOTHBALLS	1.46	0.65	
42	MINTY, PEPPERMINT	2.92	1.46	
43	CAMPHOR	0.73	0.33	
44	EUCALIPTUS	0.73	0.33	
45	CHOCOLATE	1.46	1.03	
46	VANILLA	3.65	2.06	
47	SWEET	53.28	36.36	*********
48	MAPLE SYRUP	0.73	0.46	
49	CARAMEL	0.73	0.33	
50	MALTY	0.73	0.57	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	2.19	1.13	
56	ETHERISH, ANAESTHETIC	2.19	1.13	
57	CLEANING FLUID	2.19	0.98	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.73	0.33	
60	GERANIUM LEAVES	1.46	0.92	
61	CELERY	1.46	0.80	
62	FRESH GREEN VEGETABLES	4.38	2.53	

63	CRUSHED WEEDS	0.73	0.33	
64	CRUSHED GRASS	0.73	0.33	
65	HERBAL, GREEN, CUT GRASS	14.60	8.88	**
66	RAW CUCUMBER	2.19	1.60	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	1.46	0.80	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.73	0.33	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	13.14	8.87	**
75	LEATHER	2.19	0.98	
76	CARDBOARD	0.73	0.33	
77	ROPE	0.00	0.00	
78	WET PAPER	0.73	0.33	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	2.19	1.26	
82	MUSTY, EARTHY, MOLDY	3.65	2.31	
83	RAW POTATO	1.46	0.92	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.73	0.33	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.73	0.46	
88	EGGY (FRESH EGGS)	1.46	0.65	
89	BARK, BIRCH BARK	2.19	1.26	
90	CORK	0.73	0.33	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	4.38	2.88	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.73	0.46	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.73	0.46	
101	DISINFECTANT, CARBOLIC	0.73	0.33	
102	MEDICINAL	4.38	2.99	
103	CHEMICAL	2.19	1.38	
104	BITTER	0.73	0.46	
105	SHARP, PUNGENT, ACID	2.19	1.38	
106	SOUR, VINEGAR	5.84	2.92	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.73	0.46	
109	URINE	0.00	0.00	
110	CAT URINE	0.73	0.33	
111	FISHY	0.73	0.65	
112	KIPPERY (SMOKED FISH)	0.73	0.33	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	1.46	0.80	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	3.65	2.06	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	2.19	1.26	
121	VARNISH	1.46	1.13	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	1.46	0.65	
127	RANCID	0.73	0.46	
128	SWEATY	2.19	1.70	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.19	1.50	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.73	0.46	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	0.00	0.00	
141	DRY, POWDERY	9.49	5.88	*
142	CHALKY	0.00	0.00	
143	LIGHT	35.77	26.45	******
144	HEAVY	5.84	4.13	*
145	COOL, COOLING	18.25	13.16	***
146	WARM	8.03	5.08	*

TABLE 156—Phenoxaflor

A FRAGRANCE COMPOUND WITH ROSE CHARACTER

CONCENTRATION, ML/LITER..... 80
NUMBER OF EVALUATORS..... 128
NUMBER WHO DETECTED ODOR..... 128
PERCENT WHO DETECTED ODOR..... 100

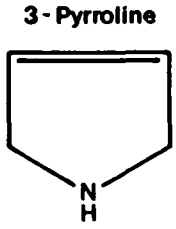
P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

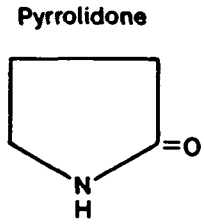
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	15.63	12.00	***
2	LEMON	17.19	13.21	***
3	GRAPEFRUIT	3.91	2.59	
4	ORANGE	5.47	3.46	
5	FRUITY, OTHER THAN CITRUS	34.38	26.12	******
6	PINEAPPLE	2.34	1.21	
7	GRAPE JUICE	6.25	4.19	*
8	STRAWBERRY	11.72	7.41	*
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	4.69	3.20	
11	CANTALOUPE, HONEY DEW MELON	3.91	2.92	
12	PEACH (FRUIT)	3.91	2.07	
13	BANANA	0.00	0.00	
14	FLORAL	41.41	34.50	********
15	ROSE	35.94	30.53	*******
16	VIOLETS	8.59	5.56	*
17	LAVENDER	9.38	6.74	*
18	COLOGNE	11.72	9.57	**
19	MUSK	3.13	1.85	
20	PERFUMERY	37.50	30.33	*******
21	FRAGRANT	56.25	44.67	**********
22	AROMATIC	32.03	25.51	******
23	HONEY	5.47	3.07	
24	CHERRY (BERRY)	14.06	10.05	**
25	ALMOND	0.00	0.00	
26	NAIL POLISH REMOVER	2.34	1.05	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	6.25	4.19	*
29	CLOVE	0.00	0.00	
30	CINNAMON	0.78	0.49	
31	LAUREL LEAVES	2.34	1.48	
32	TEA LEAVES	5.47	3.70	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.78	0.61	
36	DILL	1.56	0.70	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	1.56	0.99	
39	WOODY, RESINOUS	7.03	4.57	*
40	CEDARWOOD	3.13	2.61	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	7.03	5.13	*
43	CAMPHOR	3.13	1.85	
44	EUCALIPTUS	3.13	1.98	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.78	0.35	
47	SWEET	52.34	40.24	**********
48	MAPLE SYRUP	0.78	0.70	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	4.69	3.31	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	1.56	1.10	
55	ALCOHOLIC	0.78	0.35	
56	ETHERISH, ANAESTHETIC	5.47	3.46	
57	CLEANING FLUID	2.34	1.71	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	1.56	0.86	
60	GERANIUM LEAVES	3.13	1.71	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

63	CRUSHED WEEDS	1.56	0.86	
64	CRUSHED GRASS	2.34	1.82	
65	HERBAL, GREEN, CUT GRASS	13.28	9.98	**
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.78	0.49	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	2.34	1.71	
73	BEERY	2.34	1.35	
74	SOAPY	13.28	9.98	**
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.78	0.35	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	1.56	1.21	
82	MUSTY, EARTHY, MOLDY	1.56	0.86	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	1.56	1.56	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	1.56	0.86	
92	FRESH TOBACCO SMOKE	1.56	1.21	
93	INCENSE	5.47	3.58	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	1.56	1.21	
101	DISINFECTANT, CARBOLIC	3.91	2.34	
102	MEDICINAL	3.13	1.56	
103	CHEMICAL	1.56	0.99	
104	BITTER	1.56	0.86	
105	SHARP, PUNGENT, ACID	6.25	4.42	*
106	SOUR, VINEGAR	7.81	5.30	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	1.56	1.21	
109	URINE	1.56	1.40	
110	CAT URINE	0.78	0.49	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	2.34	1.48	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.78	0.70	
127	RANCID	0.78	0.49	
128	SWEATY	4.69	3.73	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	2.34	1.82	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.78	0.61	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.78	0.61	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	3.13	2.21	
141	DRY, POWDERY	7.81	4.94	*
142	CHALKY	0.00	0.00	
143	LIGHT	32.81	23.53	*****
144	HEAVY	10.94	8.16	**
145	COOL, COOLING	17.19	12.48	***
146	WARM	7.03	5.13	

TABLE 157—Pyrroline + Pyrrolidone (mixture)

3-PYRROLINE CAS NO. 109-96-6
PYRROLIDONE CAS NO. 616-45-5





CONCENTRATION, ML/LITER.....	10
NUMBER OF EVALUATORS.....	127
NUMBER WHO DETECTED ODOR.....	121
PERCENT WHO DETECTED ODOR.....	95

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

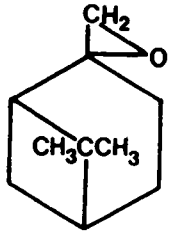
	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	0.00	0.00	
2	LEMON	0.00	0.00	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	0.00	0.00	
6	PINEAPPLE	0.00	0.00	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.83	0.74	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.00	0.00	
13	BANANA	0.00	0.00	
14	FLORAL	0.00	0.00	
15	ROSE	0.83	0.64	
16	VIOLETS	0.00	0.00	
17	LAVENDER	0.00	0.00	
18	COLOGNE	0.00	0.00	
19	MUSK	7.44	5.32	*
20	PERFUMERY	0.00	0.00	
21	FRAGRANT	3.31	1.81	
22	AROMATIC	6.61	4.05	*
23	HONEY	0.83	0.52	
24	CHERRY (BERRY)	0.00	0.00	
25	ALMOND	4.96	3.39	
26	NAIL POLISH REMOVER	0.00	0.00	
27	NUTTY (WALNUT ETC)	9.09	5.75	*
28	SPICY	2.48	1.43	
29	CLOVE	0.00	0.00	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	0.00	0.00	
32	TEA LEAVES	0.83	0.37	
33	SEASONING (FOR MEAT)	0.83	0.37	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	8.26	5.73	*
40	CEDARWOOD	0.83	0.37	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	0.00	0.00	
43	CAMPHOR	0.00	0.00	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	0.00	0.00	
47	SWEET	4.13	2.61	
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	4.13	2.34	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	0.83	0.37	
55	ALCOHOLIC	0.83	0.52	
56	ETHERISH, ANAESTHETIC	3.31	2.22	
57	CLEANING FLUID	1.65	1.38	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	3.31	1.96	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.00	0.00	
62	FRESH GREEN VEGETABLES	0.00	0.00	

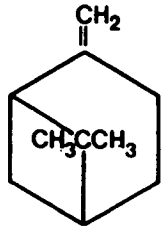
63	CRUSHED WEEDS	0.00	0.00	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.13	2.61	
66	RAW CUCUMBER	0.00	0.00	
67	HAY	3.31	1.81	
68	GRAINY (AS GRAIN)	6.61	4.44	*
69	YEASTY	7.44	5.20	*
70	BAKERY (FRESH BREAD)	0.83	0.37	
71	SOUR MILK	1.65	0.91	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	0.83	0.37	
75	LEATHER	0.83	0.37	
76	CARDBOARD	2.48	1.11	
77	ROPE	1.65	1.28	
78	WET PAPER	3.31	1.65	
79	WET WOOL, WET DOG	7.44	4.57	*
80	DIRTY LINEN	10.74	7.42	*
81	STALE	10.74	8.00	*
82	MUSTY, EARTHY, MOLDY	19.01	12.41	***
83	RAW POTATO	1.65	0.91	
84	MOUSE	0.83	0.37	
85	MUSHROOM	7.44	5.43	*
86	PEANUT BUTTER	2.48	1.69	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	3.31	2.09	
89	BARK, BIRCH BARK	3.31	2.67	
90	CORK	1.65	0.74	
91	BURNT, SMOKY	9.92	6.77	*
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	0.83	0.52	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	1.65	1.17	
96	BURNT PAPER	1.65	1.05	
97	BURNT MILK	1.65	1.28	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.83	0.52	
100	CREOSOTE	1.65	1.05	
101	DISINFECTANT, CARBOLIC	4.13	3.31	
102	MEDICINAL	2.48	1.92	
103	CHEMICAL	5.79	4.03	*
104	BITTER	4.13	3.31	
105	SHARP, PUNGENT, ACID	13.22	9.69	**
106	SOUR, VINEGAR	10.74	7.66	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	7.44	5.43	*
109	URINE	9.09	7.56	*
110	CAT URINE	2.48	1.28	
111	FISHY	6.61	5.01	*
112	KIPPERY (SMOKED FISH)	1.65	0.91	
113	SEMINAL, SPERM-LIKE	26.45	21.83	*****
114	NEW RUBBER	0.83	0.64	
115	SOOTY	0.83	0.64	
116	BURNT CANDLE	1.65	0.91	
117	KEROSENE	1.65	1.05	
118	OILY, FATTY	16.53	10.71	**
119	BUTTERY, FRESH BUTTER	1.65	0.91	
120	PAINT	0.83	0.64	
121	VARNISH	0.83	0.37	
122	POPCORN	3.31	2.09	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	4.13	2.61	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.83	0.37	
127	RANCID	19.83	14.82	***
128	SWEATY	23.14	15.77	***
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.65	0.74	
131	SULFIDIC	5.79	3.91	
132	GARLIC, ONION	0.83	0.64	
133	METALLIC	1.65	1.05	
134	BLOOD, RAW MEAT	6.61	5.01	*
135	ANIMAL	9.09	6.13	*
136	SEWER	4.96	2.56	
137	PUTRID, FOUL, DECAYED	18.18	12.86	***
138	FECAL (LIKE MANURE)	5.79	3.24	
139	CADAVEROUS (DEAD ANIMAL)	4.96	3.51	
140	SICKENING	36.36	27.74	******
141	DRY, POWDERY	9.09	5.62	*
142	CHALKY	0.00	0.00	
143	LIGHT	10.74	7.42	*
144	HEAVY	25.62	20.68	*****
145	COOL, COOLING	0.83	0.37	
146	WARM	11.57	8.18	

TABLE 158—Rosemarel

MIXTURE OF COMPOUNDS A AND B
COMPOUND A: BETA-PINENE EPOXIDE
SPIRO(BICYCLO(3.1.1)HEPTANE-2,2'OXIRANE), 6,6-DIMETHYL
PINANE, 2,10-EPOXY
COMPOUND B: BETA-PINENE
BICYCLO(3.3.1)HEPTANE,6,6-DIMETHYL-2-METHYLENE
2(10)-PINENE

A: CHEM. ABSTR. REG. NO. 6931-54-0
B: CHEM. ABSTR. REG. NO. 127-91-3





CONCENTRATION, ML/LITER.....	40
NUMBER OF EVALUATORS.....	140
NUMBER WHO DETECTED ODOR.....	138
PERCENT WHO DETECTED ODOR.....	99

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	16.67	11.53	**
2	LEMON	16.67	11.21	**
3	GRAPEFRUIT	2.17	1.37	
4	ORANGE	3.62	2.05	
5	FRUITY, OTHER THAN CITRUS	10.87	7.84	*
6	PINEAPPLE	1.45	0.79	
7	GRAPE JUICE	1.45	0.92	
8	STRAWBERRY	1.45	0.79	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.45	0.92	
11	CANTALOUPE, HONEY DEW MELON	0.72	0.32	
12	PEACH (FRUIT)	0.72	0.32	
13	BANANA	0.72	0.72	
14	FLORAL	13.77	8.59	**
15	ROSE	2.90	1.45	
16	VIOLETS	1.45	0.92	
17	LAVENDER	1.45	1.02	
18	COLOGNE	3.62	1.92	
19	MUSK	3.62	2.17	
20	PERFUMERY	18.84	12.25	***
21	FRAGRANT	53.62	37.09	*********
22	AROMATIC	34.78	26.09	******
23	HONEY	2.17	0.97	
24	CHERRY (BERRY)	3.62	2.61	
25	ALMOND	3.62	1.62	
26	NAIL POLISH REMOVER	5.80	2.90	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	10.87	6.52	*
29	CLOVE	2.17	0.97	
30	CINNAMON	0.00	0.00	
31	LAUREL LEAVES	1.45	1.12	
32	TEA LEAVES	0.72	0.32	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.72	0.46	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.72	0.46	
37	CARAWAY	0.00	0.00	
38	OAK WOOD, COGNAC	5.80	3.67	
39	WOODY, RESINOUS	34.78	25.70	******
40	CEDARWOOD	19.57	13.58	***
41	MOTHBALLS	4.35	2.63	
42	MINTY, PEPPERMINT	14.49	9.28	**
43	CAMPHOR	19.57	12.37	***
44	EUCALIPTUS	15.94	10.42	**
45	CHOCOLATE	0.00	0.00	
46	VANILLA	2.17	1.26	
47	SWEET	29.71	19.35	****
48	MAPLE SYRUP	0.00	0.00	
49	CARAMEL	0.00	0.00	
50	MALTY	0.00	0.00	
51	RAISINS	1.45	0.92	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.00	0.00	
54	ANISE (LICORICE)	2.17	1.49	
55	ALCOHOLIC	3.62	2.51	
56	ETHERISH, ANAESTHETIC	11.59	6.35	*
57	CLEANING FLUID	6.52	4.12	*
58	GASOLINE, SOLVENT	8.70	5.50	*
59	TURPENTINE (PINE OIL)	41.30	33.99	********
60	GERANIUM LEAVES	1.45	0.79	
61	CELERY	1.45	0.65	
62	FRESH GREEN VEGETABLES	1.45	1.02	

63	CRUSHED WEEDS	1.45	0.79	
64	CRUSHED GRASS	2.17	1.12	
65	HERBAL, GREEN, CUT GRASS	19.57	12.26	***
66	RAW CUCUMBER	0.00	0.00	
67	HAY	0.72	0.32	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.72	0.32	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.72	0.46	
72	FERMENTED (ROTTEN) FRUIT	0.72	0.32	
73	BEERY	0.00	0.00	
74	SOAPY	5.80	3.18	
75	LEATHER	2.17	1.26	
76	CARDBOARD	1.45	0.79	
77	ROPE	0.72	0.32	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	1.45	0.65	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.72	0.32	
82	MUSTY, EARTHY, MOLDY	2.17	1.37	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.72	0.32	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	5.80	3.18	
90	CORK	2.17	0.97	
91	BURNT, SMOKY	2.90	2.05	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	7.25	4.35	*
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	2.90	1.45	
100	CREOSOTE	2.17	1.26	
101	DISINFECTANT, CARBOLIC	15.22	9.74	**
102	MEDICINAL	15.94	10.96	**
103	CHEMICAL	11.59	7.67	*
104	BITTER	0.72	0.56	
105	SHARP, PUNGENT, ACID	7.97	5.48	*
106	SOUR, VINEGAR	6.52	4.01	*
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	4.35	2.86	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.72	0.32	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	4.35	2.63	
118	OILY, FATTY	4.35	2.63	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	19.57	13.37	***
121	VARNISH	11.59	8.30	**
122	POPCORN	0.72	0.32	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	2.17	0.97	
128	SWEATY	1.45	0.79	
129	CHEESY	0.00	0.00	
130	HOUSEHOLD GAS	1.45	0.65	
131	SULFIDIC	1.45	0.79	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	3.62	1.77	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.72	0.32	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.72	0.32	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	2.90	1.59	
141	DRY, POWDERY	2.17	1.26	
142	CHALKY	0.72	0.32	
143	LIGHT	37.68	26.75	******
144	HEAVY	10.14	7.67	*
145	COOL, COOLING	29.71	21.96	*****
146	WARM	9.42	6.71	*

TABLE 159—Spearmint Oil

MAJOR COMPONENT: L-CARVONE

CONCENTRATION, ML/LITER..... 20
NUMBER OF EVALUATORS..... 119
NUMBER WHO DETECTED ODOR..... 119
PERCENT WHO DETECTED ODOR..... 100

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P.U.	P.A.	HISTOGR
1	FRUITY, CITRUS	3.36	2.60	
2	LEMON	3.36	1.99	
3	GRAPEFRUIT	0.84	0.53	
4	ORANGE	0.00	0.00	
5	FRUITY, OTHER THAN CITRUS	10.08	7.59	*
6	PINEAPPLE	0.84	0.53	
7	GRAPE JUICE	0.84	0.53	
8	STRAWBERRY	1.68	1.06	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	1.68	0.92	
11	CANTALOUPE, HONEY DEW MELON	0.00	0.00	
12	PEACH (FRUIT)	0.84	0.53	
13	BANANA	2.52	1.30	
14	FLORAL	4.20	2.22	
15	ROSE	2.52	1.30	
16	VIOLETS	0.84	0.53	
17	LAVENDER	2.52	1.13	
18	COLOGNE	1.68	0.75	
19	MUSK	0.84	0.53	
20	PERFUMERY	8.40	5.82	*
21	FRAGRANT	53.78	42.94	**********
22	AROMATIC	41.18	32.33	********
23	HONEY	0.84	0.65	
24	CHERRY (BERRY)	1.68	0.92	
25	ALMOND	0.84	0.38	
26	NAIL POLISH REMOVER	0.84	0.38	
27	NUTTY (WALNUT ETC)	0.00	0.00	
28	SPICY	17.65	11.93	**
29	CLOVE	3.36	1.68	
30	CINNAMON	0.84	0.38	
31	LAUREL LEAVES	0.84	0.38	
32	TEA LEAVES	3.36	2.38	
33	SEASONING (FOR MEAT)	0.00	0.00	
34	BLACK PEPPER	0.00	0.00	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	3.36	1.99	
38	OAK WOOD, COGNAC	0.00	0.00	
39	WOODY, RESINOUS	2.52	1.13	
40	CEDARWOOD	2.52	1.46	
41	MOTHBALLS	0.00	0.00	
42	MINTY, PEPPERMINT	94.12	87.05	**********
43	CAMPHOR	5.88	3.30	
44	EUCALIPTUS	3.36	1.99	
45	CHOCOLATE	0.00	0.00	
46	VANILLA	4.20	2.06	
47	SWEET	60.50	46.54	**********
48	MAPLE SYRUP	0.84	0.38	
49	CARAMEL	0.84	0.38	
50	MALTY	0.00	0.00	
51	RAISINS	0.00	0.00	
52	MOLASSES	0.00	0.00	
53	COCONUT	0.84	0.38	
54	ANISE (LICORICE)	2.52	1.30	
55	ALCOHOLIC	2.52	1.13	
56	ETHERISH, ANAESTHETIC	4.20	1.88	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	0.00	0.00	
59	TURPENTINE (PINE OIL)	0.84	0.53	
60	GERANIUM LEAVES	0.00	0.00	
61	CELERY	0.84	0.38	
62	FRESH GREEN VEGETABLES	1.68	0.75	

63	CRUSHED WEEDS	0.84	0.38	
64	CRUSHED GRASS	1.68	0.75	
65	HERBAL, GREEN, CUT GRASS	15.13	9.96	**
66	RAW CUCUMBER	0.84	0.38	
67	HAY	0.84	0.38	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	0.00	0.00	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	0.00	0.00	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	0.00	0.00	
74	SOAPY	1.68	0.75	
75	LEATHER	0.00	0.00	
76	CARDBOARD	0.00	0.00	
77	ROPE	0.00	0.00	
78	WET PAPER	0.00	0.00	
79	WET WOOL, WET DOG	0.00	0.00	
80	DIRTY LINEN	0.00	0.00	
81	STALE	0.00	0.00	
82	MUSTY, EARTHY, MOLDY	0.84	0.38	
83	RAW POTATO	0.00	0.00	
84	MOUSE	0.00	0.00	
85	MUSHROOM	0.00	0.00	
86	PEANUT BUTTER	0.00	0.00	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	0.00	0.00	
89	BARK, BIRCH BARK	0.84	0.38	
90	CORK	0.00	0.00	
91	BURNT, SMOKY	0.00	0.00	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.68	1.19	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	0.00	0.00	
96	BURNT PAPER	0.00	0.00	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	0.00	0.00	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	1.68	0.75	
102	MEDICINAL	7.56	4.51	*
103	CHEMICAL	1.68	1.19	
104	BITTER	1.68	0.92	
105	SHARP, PUNGENT, ACID	4.20	2.52	
106	SOUR, VINEGAR	1.68	0.92	
107	SAUERKRAUT	0.00	0.00	
108	AMMONIA	0.00	0.00	
109	URINE	0.00	0.00	
110	CAT URINE	0.00	0.00	
111	FISHY	0.00	0.00	
112	KIPPERY (SMOKED FISH)	0.00	0.00	
113	SEMINAL, SPERM-LIKE	0.00	0.00	
114	NEW RUBBER	0.00	0.00	
115	SOOTY	0.00	0.00	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	4.20	2.38	
119	BUTTERY, FRESH BUTTER	0.00	0.00	
120	PAINT	0.00	0.00	
121	VARNISH	0.00	0.00	
122	POPCORN	0.00	0.00	
123	FRIED CHICKEN	0.00	0.00	
124	MEATY (COOKED, GOOD)	0.00	0.00	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	0.00	0.00	
127	RANCID	0.00	0.00	
128	SWEATY	0.00	0.00	
129	CHEESY	3.36	1.99	
130	HOUSEHOLD GAS	0.00	0.00	
131	SULFIDIC	0.00	0.00	
132	GARLIC, ONION	0.00	0.00	
133	METALLIC	0.84	0.53	
134	BLOOD, RAW MEAT	0.00	0.00	
135	ANIMAL	0.00	0.00	
136	SEWER	0.00	0.00	
137	PUTRID, FOUL, DECAYED	0.00	0.00	
138	FECAL (LIKE MANURE)	0.00	0.00	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	0.00	0.00	
141	DRY, POWDERY	2.52	1.72	
142	CHALKY	0.84	0.53	
143	LIGHT	41.18	30.11	*******
144	HEAVY	6.72	4.99	*
145	COOL, COOLING	56.30	46.04	**********
146	WARM	4.20	3.14	

TABLE 160—Blank: Dipropylene Glycol Solvent Only

SOLVENT USED TO DISSOLVE ODORANTS
LOW-ODOR GRADE
WEAK ODOR WHEN SMELLED FROM BOTTLE

CONCENTRATION, ML/LITER..... NONE
NUMBER OF EVALUATORS..... 148
NUMBER WHO DETECTED ODOR..... 93
PERCENT WHO DETECTED ODOR..... 63

P.U. = PERCENT WHO USED THE TERM
P.A. = PERCENT APPLICABILITY

	DESCRIPTORS	P. U.	P. A.	* = 4 % APPLICABILITY
1	FRUITY, CITRUS	2.15	1.36	
2	LEMON	4.30	2.54	
3	GRAPEFRUIT	0.00	0.00	
4	ORANGE	2.15	1.36	
5	FRUITY, OTHER THAN CITRUS	6.45	4.08	*
6	PINEAPPLE	2.15	1.36	
7	GRAPE JUICE	0.00	0.00	
8	STRAWBERRY	0.00	0.00	
9	APPLE (FRUIT)	0.00	0.00	
10	PEAR	0.00	0.00	
11	CANTALOUPE, HONEY DEW MELON	1.08	0.83	
12	PEACH (FRUIT)	2.15	1.36	
13	BANANA	1.08	0.48	
14	FLORAL	3.23	1.86	
15	ROSE	1.08	0.83	
16	VIOLETS	4.30	2.36	
17	LAVENDER	1.08	0.83	
18	COLOGNE	0.00	0.00	
19	MUSK	5.38	3.04	
20	PERFUMERY	4.30	2.54	
21	FRAGRANT	12.90	7.81	*
22	AROMATIC	16.13	10.03	**
23	HONEY	1.08	0.48	
24	CHERRY (BERRY)	2.15	1.18	
25	ALMOND	2.15	1.36	
26	NAIL POLISH REMOVER	1.08	1.08	
27	NUTTY (WALNUT ETC)	1.08	0.83	
28	SPICY	5.38	3.40	
29	CLOVE	2.15	1.67	
30	CINNAMON	1.08	1.08	
31	LAUREL LEAVES	1.08	1.08	
32	TEA LEAVES	0.00	0.00	
33	SEASONING (FOR MEAT)	2.15	1.80	
34	BLACK PEPPER	1.08	0.68	
35	GREEN PEPPER	0.00	0.00	
36	DILL	0.00	0.00	
37	CARAWAY	1.08	0.83	
38	OAK WOOD, COGNAC	3.23	2.50	
39	WOODY, RESINOUS	40.86	24.44	******
40	CEDARWOOD	7.53	4.02	*
41	MOTHBALLS	1.08	0.83	
42	MINTY, PEPPERMINT	2.15	1.36	
43	CAMPHOR	2.15	0.96	
44	EUCALIPTUS	0.00	0.00	
45	CHOCOLATE	1.08	0.48	
46	VANILLA	2.15	1.18	
47	SWEET	15.05	9.17	**
48	MAPLE SYRUP	1.08	1.08	
49	CARAMEL	0.00	0.00	
50	MALTY	2.15	1.36	
51	RAISINS	1.08	0.83	
52	MOLASSES	2.15	1.52	
53	COCONUT	1.08	0.68	
54	ANISE (LICORICE)	0.00	0.00	
55	ALCOHOLIC	1.08	0.48	
56	ETHERISH, ANAESTHETIC	3.23	1.44	
57	CLEANING FLUID	0.00	0.00	
58	GASOLINE, SOLVENT	1.08	0.48	
59	TURPENTINE (PINE OIL)	3.23	2.20	
60	GERANIUM LEAVES	1.08	1.08	
61	CELERY	2.15	0.96	
62	FRESH GREEN VEGETABLES	1.08	0.48	

63	CRUSHED WEEDS	1.08	0.48	
64	CRUSHED GRASS	0.00	0.00	
65	HERBAL, GREEN, CUT GRASS	4.30	2.36	
66	RAW CUCUMBER	1.08	0.48	
67	HAY	0.00	0.00	
68	GRAINY (AS GRAIN)	0.00	0.00	
69	YEASTY	1.08	0.83	
70	BAKERY (FRESH BREAD)	0.00	0.00	
71	SOUR MILK	1.08	0.48	
72	FERMENTED (ROTTEN) FRUIT	0.00	0.00	
73	BEERY	1.08	0.48	
74	SOAPY	1.08	0.48	
75	LEATHER	2.15	1.52	
76	CARDBOARD	7.53	3.82	
77	ROPE	1.08	0.48	
78	WET PAPER	4.30	2.72	
79	WET WOOL, WET DOG	1.08	0.48	
80	DIRTY LINEN	0.00	0.00	
81	STALE	4.30	2.72	
82	MUSTY, EARTHY, MOLDY	18.28	9.71	**
83	RAW POTATO	0.00	0.00	
84	MOUSE	1.08	0.68	
85	MUSHROOM	2.15	1.36	
86	PEANUT BUTTER	1.08	0.83	
87	BEANY	0.00	0.00	
88	EGGY (FRESH EGGS)	1.08	1.08	
89	BARK, BIRCH BARK	4.30	2.54	
90	CORK	2.15	1.18	
91	BURNT, SMOKY	3.23	2.04	
92	FRESH TOBACCO SMOKE	0.00	0.00	
93	INCENSE	1.08	0.48	
94	COFFEE	0.00	0.00	
95	STALE TOBACCO SMOKE	2.15	1.36	
96	BURNT PAPER	1.08	0.48	
97	BURNT MILK	0.00	0.00	
98	BURNT RUBBER	1.08	0.48	
99	TAR	0.00	0.00	
100	CREOSOTE	0.00	0.00	
101	DISINFECTANT, CARBOLIC	2.15	1.18	
102	MEDICINAL	4.30	2.15	
103	CHEMICAL	10.75	6.08	*
104	BITTER	2.15	1.18	
105	SHARP, PUNGENT, ACID	16.13	9.68	**
106	SOUR, VINEGAR	19.35	11.17	**
107	SAUERKRAUT	3.23	1.86	
108	AMMONIA	2.15	1.18	
109	URINE	1.08	0.48	
110	CAT URINE	0.00	0.00	
111	FISHY	1.08	0.68	
112	KIPPERY (SMOKED FISH)	1.08	0.83	
113	SEMINAL, SPERM-LIKE	1.08	1.08	
114	NEW RUBBER	1.08	1.08	
115	SOOTY	3.23	2.04	
116	BURNT CANDLE	0.00	0.00	
117	KEROSENE	0.00	0.00	
118	OILY, FATTY	10.75	7.29	*
119	BUTTERY, FRESH BUTTER	1.08	0.48	
120	PAINT	3.23	1.67	
121	VARNISH	1.08	0.83	
122	POPCORN	1.08	1.08	
123	FRIED CHICKEN	1.08	0.96	
124	MEATY (COOKED, GOOD)	1.08	0.48	
125	SOUPY	0.00	0.00	
126	COOKED VEGETABLES	2.15	1.67	
127	RANCID	9.68	5.40	*
128	SWEATY	10.75	6.80	*
129	CHEESY	1.08	0.83	
130	HOUSEHOLD GAS	1.08	0.83	
131	SULFIDIC	2.15	1.52	
132	GARLIC, ONION	1.08	0.48	
133	METALLIC	4.30	2.36	
134	BLOOD, RAW MEAT	2.15	0.96	
135	ANIMAL	3.23	2.36	
136	SEWER	1.08	0.48	
137	PUTRID, FOUL, DECAYED	4.30	2.36	
138	FECAL (LIKE MANURE)	1.08	0.48	
139	CADAVEROUS (DEAD ANIMAL)	0.00	0.00	
140	SICKENING	10.75	5.48	*
141	DRY, POWDERY	7.53	3.37	
142	CHALKY	0.00	0.00	
143	LIGHT	22.58	18.17	****
144	HEAVY	4.30	3.04	
145	COOL, COOLING	4.30	2.15	
146	WARM	8.60	5.77	*

TABLE 161—Odorants Representative of Specific Descriptors

This table lists odorants which are most representative of specific descriptors. Wherever there were five or more odorants representative of a descriptor and with applicabilities of 5% or higher, only the five with the highest applicabilities are listed. The listing stops when the applicability is below 5%, with only one odorant below 5% applicability listed -- the one with the highest applicability below 5%.

ODOR DESCRIPTORS	ODORANTS WITH HIGHEST P.A.	P. A.	TABLE ##
ALCOHOL-LIKE			
	3-HEXANOL	37	76
	2,5-DIMETHYL PYRAZINE	18	54
	1-BUTANOL	17	22
	CYCLOHEXANOL	15	44
	DIOLA	13	57
ALMOND-LIKE			
	BENZALDEHYDE	64	18
	O-TOLUALDEHYDE	47	134
	ACETOPHENONE	34	2
	COUMARIN	31	34
	TRANS-2-HEXENAL	29	77
AMMONIA - LIKE AMMONIA			
	TRIMETHYL AMINE	13	137
	PYRIDINE	11	122
	3-HEXANOL	9	76
	CYCLOHEXANOL	6	44
	2,5-DIMETHYL PYRAZINE	6	54
ANIMAL			
	PENTANOIC ACID (VALERIC ACID)	15	111
	BUTANOIC ACID (BUTYRIC ACID)	13	21
	THIOGLYCOLIC ACID	13	131
	ISO-VALERIC ACID	12	141
	SKATOLE	11	126
ANISE (LICORICE)			
	ANETHOLE	92	15
	SAFROLE	56	123
	P-CRESYL ACETATE	33	37
	P-CRESYL ISO-BUTYRATE	13	38
	METHYL SALICYLATE	13	102
APPLE (FRUIT)			
	ONION OIL	3	153
AROMATIC			
	BENZALDEHYDE	49	18
	ANETHOLE	47	15
	METHYL SALICYLATE	45	102
	L-CARVONE	43	26
	SAFROLE	43	123
BAKERY (FRESH BREAD)			
	FURFURYL MERCAPTAN	7	68
	THIENOPYRIMIDINE	4	130
BANANA-LIKE			
	ISO-AMYL ACETATE	37	9
	ETHYL BUTYRATE	10	59
	AMYL BUTYRATE	6	10
	TRANS-2-HEXENAL	6	77
	DIOLA	5	57
BARK-LIKE, BIRCH BARK			
	ALPHA-PINENE	11	118
	ISO-PROPYL QUINOLINE	11	120
	CEDARTONE	11	145
	SAFROLE	10	123
	NOOTKATONE	9	108
BEAN-LIKE			
	ISO-PROPYL QUINOLINE	5	120
	2-ACETYL PYRIDINE	3	3

BEERY (BEER-LIKE)			
	PHENYL ETHANOL 40 ML/L	3	115
BITTER			
	ONION OIL	7	153
	CUMINIC ALDEHYDE	7	40
	THIOGLYCOLIC ACID	7	131
	PYRIDINE	6	122
	GARLIC OIL	6	151
BLACK PEPPER-LIKE			
	NOOTKATONE	15	108
	CUMINIC ALDEHYDE	6	40
	GARLIC OIL	5	151
	ONION OIL	4	153
BLOOD - LIKE BLOOD, RAW MEAT			
	TRIMETHYL AMINE	14	137
	DIMETHYL TRISULFIDE	9	56
	HEXYL AMINE 20 ML/L	8	78
	CYCLODITHALFAROL	7	42
	METHYL THIOBUTYRATE	7	103
BURNT CANDLE			
	ADOXAL	12	4
	GUAIACOL	5	70
	UNDECYLENIC ACID	5	139
BURNT MILK			
	CYCLOTENE	5	45
BURNT PAPER - LIKE BURNT PAPER			
	CYCLOTENE	18	45
	GUAIACOL	15	70
	1,2-CYCLOHEXADIONE	12	43
	2,5-DIMETHYL PYRROLE	7	55
	THIOPHENE	6	132
BURNT RUBBER-LIKE			
	CYCLODITHALFAROL	16	42
	THIOGLYCOLIC ACID	14	131
	THIOPHENE	11	132
	1,2-CYCLOHEXADIONE	9	43
	DIETHYL SULFIDE	8	192
BURNT, SMOKY			
	GUAIACOL	44	70
	1,2-CYCLOHEXADIONE	39	43
	CYCLOTENE	36	45
	2,5-DIMETHYL PYRROLE	27	55
	THIOPHENE	26	132
BUTTERY (FRESH)			
	THIENOPYRIMIDINE	20	130
	2,5-DIMETHYL PYRROLE	9	55
	2-ACETYL PYRIDINE	9	3
	VANILLIN	7	143
	BUTANOIC ACID (BUTYRIC ACID)	5	21
CADAVEROUS, LIKE DEAD ANIMAL			
	METHYL THIOBUTYRATE	23	103
	TRIMETHYL AMINE	16	137
	PYRIDINE	13	122
	THIOGLYCOLIC ACID	13	131
	ISO-VALERIC ACID	11	141
CAMPHOR-LIKE			
	DL-CAMPHOR	52	25
	EUCALYPTOL	41	63
	L-MENTHOL	34	94
	ISO-BORNYL ACETATE	27	20
	PATCHOULI OIL	26	154
CARAMEL			
	CYCLOTENE	23	45
	VANILLIN	17	143
	ABHEXONE	17	1
	CELERIAX	14	29
	ETHYL PROPIONATE	10	60
CARAWAY			
	CUMINIC ALDEHYDE	7	40
	L-CARVONE	7	26
	ANETHOLE	4	15

TABLE 161—Continued

ODOR DESCRIPTOR	ODORANTS WITH HIGHEST P. A.	P. A.	TABLE ##
CARDBOARD-LIKE			
	1-HEXANAL	10	73
	METHYL ISO-BORNEOL	6	99
	METHYL FUROATE	6	98
	TOLUENE 300 ML/L	6	136
	FURFURAL	6	67
CAT URINE-LIKE			
	THIOGLYCOLIC ACID	14	131
	TRIMETHYL AMINE	8	137
	PHENYL ACETIC ACID	8	113
	BUTANOIC ACID (BUTYRIC ACID)	7	21
	PYRIDINE	6	122
CEDARWOOD-LIKE			
	CEDRONE S	56	146
	ANDRANE	52	14
	CEDARTONE	47	145
	GRISALVA	40	69
	ALPHA-IRONE	31	88
CELERY			
	CELERIAX	22	29
	ISO-PROPYL QUINOLINE	8	120
	ABHEXONE	7	1
	BETA-IONONE 50 ML/L	4	87
CHALKY			
	2-ETHYL PYRAZINE 40 ML/L	5	62
CHEESY			
	CUMINIC ALDEHYDE	7	40
	L-CARVONE	7	26
	ANETHOLE	4	15
CHEMICAL			
	PHENYL ACETYLENE	38	114
	ANISOLE	34	16
	PYRIDINE	33	122
	CYCLOHEXANOL	32	44
	1-BUTANOL	27	22
CHERRY (BERRY)			
	BENZALDEHYDE	30	18
	ALDEHYDE C-16 (SO CALLED) 20 ML/L	30	5
	ETHYL BUTYRATE	23	59
	ALDEHYDE C-16 (SO CALLED) 40 ML/L	21	6
	O-TOLUALDEHYDE	21	134
CHOCOLATE			
	VANILLIN	40	143
	CELERIAX	4	29
CINNAMON			
	CINNAMON BARK OIL (CEYLON)	79	147
	CINNAMALDEHYDE	69	31
	CINNAMON LEAF OIL (CEYLON)	47	148
	CLOVE BUD OIL	24	149
	CARYOPHYLLENE	24	27
CLEANING FLUID - LIKE CLEANING FLD.			
	ANISOLE	18	16
	PHENYL ACETYLENE	17	114
	CYCLOHEXANOL	17	44
	3-HEXANOL	15	76
	IODOFORM	12	85
CLOVE-LIKE			
	EUGENOL	56	64
	CLOVE BUD OIL	51	149
	CINNAMON LEAF OIL (CEYLON)	41	148
	CINNAMON BARK OIL (CEYLON)	26	147
	CINNAMALDEHYDE	24	31
COCONUT-LIKE			
	ALDEHYDE C18 (SO-CALLED)	68	7
	BENZO DIHYDRO PYRONE	18	19

	COUMARIN	11	34
	GAMMA-VALEROLACTONE	10	142
	VANILLIN	6	143
COFFEE-LIKE			
	CYCLOTENE	17	45
	FURFURYL MERCAPTAN	7	68
	ABHEXONE	7	1
	CELERIAX	4	29
COLOGNE			
	MUSK GALOXILIDE	23	104
	PERFUME "CHARLIE"	17	155
	CASHMERAN	17	28
	PHENYL ETHANOL 40 NL/L	16	115
	MUSK TONALID	16	105
COOKED VEGETABLES			
	ISO-PROPYL QUINOLINE	11	120
	DIMETHYL TRISULFIDE	10	56
	2-ACETYL PYRIDINE	6	3
	THIOPHENE	5	132
	ISO-BUTYL QUINOLINE	5	24
COOL, COOLING			
	L-CARVONE	51	26
	L-MENTHOL	47	94
	SPEARMINT OIL	46	159
	METHYL SALICYLATE	42	102
	EUCALYPTOL	34	63
CORK-LIKE			
	GUAIACOL	6	70
	2-ETHYL PYRAZINE 40 ML/L	6	62
	CEDARTONE	5	145
	1-HEXANAL	4	73
CREOSOTE			
	CYCLOHEXANOL	19	44
	M-CRESOL	18	35
	THYMOL	16	133
	GUAIACOL	16	70
	INDOLE	11	83
CRUSHED GRASS			
	ISO-CYCLOCITRAL	16	41
	ISO-PROPYL QUINOLINE	14	120
	1-HEXANAL	13	73
	ISO-BUTYL QUINOLINE	11	24
	1-HEXANOL	8	75
CRUSHED WEEDS			
	ISO-PROPYL QUINOLINE	17	120
	ISO-CYCLOCITRAL	15	41
	ISO-BUTYL QUINOLINE	12	24
	1-HEXANAL	10	73
	1-OCTEN-3-OL	9	110
CUCUMBER - SEE RAW CUCUMBER-LIKE			
DILL-LIKE			
	1-OCTEN-3-OL	9	110
	N-BUTYL SULFIDE	7	23
	ONION OIL	6	153
	CUMINIC ALDEHYDE	6	40
	ISO-PROPYL QUINOLINE	4	120
DIRTY LINEN-LIKE			
	ISO-VALERIC ACID	12	141
	BUTANOIC ACID (BUTYRIC ACID)	11	21
	PENTANOIC ACID (VALERIC ACID)	10	111
	METHYL THIOBUTYRATE	9	103
	3-PYRROLINE + 25 % 1-PYRROLIDONE	7	157
DISINFECTANT, CARBOLIC			
	CYCLOHEXANOL	39	44
	M-CRESOL	30	35
	TERPINEOL, MOSTLY ALPHA	24	127
	THYMOL	22	133
	ISO-BORNYL ACETATE	19	20

TABLE 161—Continued

ODOR DESCRIPTORS	ODORANTS WITH HIGHEST P. A.	P. A.	TABLE ##
DRY, POWDERY			
	CASHMERAN	17	28
	2-ACETYL PYRIDINE	11	3
	ISO-PROPYL QUINOLINE	11	120
	2,3-DIMETHYL PYRAZINE	11	53
	GRISALVA	10	69
EGGY (FRESH EGGS)			
	FURFURYL MERCAPTAN	3	68
ETHERISH, ANAESTETIC			
	2,5-DIMETHYL PYRAZINE	41	54
	CYCLOHEXANOL	40	44
	3-HEXANOL	33	76
	EUCALIPTOL	24	63
	PHENYL ACETYLENE	23	114
EUCALIPTUS			
	EUCALYPTOL	41	63
	L-MENTHOL	33	94
	EUCALYPTUS OIL	25	150
	DL-CAMPHOR	23	25
	METHYL SALICYLATE	13	102
FECAL (LIKE MANURE)			
	PENTANOIC ACID (VALERIC ACID)	36	111
	ISO-VALERIC ACID	31	141
	BUTANOIC ACID (BUTYRIC ACID)	27	21
	METHYL THIOBUTYRATE	23	103
	SKATOLE	22	126
FERMENTED (ROTTEN) FRUIT			
	METHYL THIOBUTYRATE	8	103
	4-PENTENOIC ACID	7	112
	PROPYL BUTYRATE	6	119
	BUTANOIC ACID (BUTYRIC ACID)	6	21
	HEXANOIC ACID	5	74
FISHY			
	TRIMETHYL AMINE	62	137
	HEXYL AMINE 60 ML/L	47	79
	HEXYL AMINE 20 ML/L	47	78
	FURFURYL MERCAPTAN	28	68
	PYRIDINE	23	122
FLORAL			
	PHENYL ETHANOL 200 ML/L	58	116
	PHENYL ETHANOL 40 ML/L	50	115
	PERFUME "CHARLIE"	41	155
	ETHYL BUTYRATE	38	59
	LYRAL	38	91
FRAGRANT			
	PHENYL ETHANOL 200 ML/L	59	116
	PERFUME "CHARLIE"	58	155
	CASHMERAN	58	28
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	56	5
	MUSK GALOXILIDE	54	104
FRESH GREEN VEGETABLES			
	ISO-PROPYL QUINOLINE	19	120
	ISO-BUTYL QUINOILINE	17	24
	1-HEXANAL	15	73
	CELERIAX	8	29
	ISO-CYCLOCITRAL	8	41
FRESH TOBACCO SMOKE			
	ISO-PHORONE	7	117
	FURFURAL	4	67
FRIED CHICKEN			
	2,4-TRANS-TRANS-DECADIENAL	10	47
	FURFURYL MERCAPTAN	2	68
FRUITY (CITRUS)			
	CITRAL	62	32
	D-LIMONENE	54	90

	CITRALVA	41	33
	MYRACALDEHYDE	25	106
	MELONAL	24	93
FRUITY (OTHER)			
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	59	5
	FRUCTONE	56	66
	ETHYL BUTYRATE	56	59
	ALLYL CAPROATE	53	8
	ALDEHYDE C-16 (SO-CALLED) 40 ML/L	53	6
GARLIC, ONION			
	ONION OIL	71	153
	GARLIC OIL	71	151
	DIETHYL SULFIDE	43	50
	CYCLODITHALFAROL	39	42
	THIOPHENE	35	132
GASOLINE - LIKE GASOLINE, SOLVENT			
	ANISOLE	31	16
	PHENYL ACETYLENE	29	114
	TETRAHYDRO THIOPHENE	21	128
	DIETHYL SULFIDE	19	50
	3-HEXANOL	18	76
GERANIUM LEAVES			
	ISO-CYCLOCITRAL	10	41
	PHENYL ETHANOL 40 ML/L	8	115
	DIPHENYL OXIDE	8	58
	HEXYL AMINE 20 ML/L	6	78
	PHENYL ETHANOL 200 ML/L	5	116
GRAINY (AS GRAIN)			
	2-ACETYL PYRIDINE	14	3
	1-HEXANAL	10	73
	2,3-DIMETHYL PYRAZINE	7	53
	THIENOPYRIMIDINE	6	130
	2-ETHYL PYRAZINE 20 ML/L	5	61
GRAPE JUICE-LIKE			
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	31	5
	METHYL ANTHRANILATE	28	96
	ETHYL BUTYRATE	17	59
	AURALVA	13	17
	ALDEHYDE C-16 (SO-CALLED) 40 ML/L	10	6
GRAPEFRUIT			
	CITRAL	12	32
	D-LIMONENE	10	90
	NOOTKATONE	7	108
	FLORALOZONE	7	45
	MELONAL	6	93
GREEN PEPPER			
	ISO-PROPYL QUINOLINE	19	120
	ISO-BUTYL QUINOLINE	15	24
	ISO-CYCLOCITRAL	3	41
HAY			
	ISO-PROPYL QUINOLINE	7	120
	GAMMA-UNDECALACTONE	6	138
	COUMARIN	6	34
	ISO-BUTYL QUINOLINE	6	24
	ISO-CYCLOCITRAL	4	41
HEAVY			
	PYRIDINE	39	122
	THIOPHENE	36	132
	CYCLODITHALFAROL	34	42
	ONION OIL	34	153
	DIETHYL SULFIDE	33	50
HERBAL, GREEN, CUT GRASS			
	ISO-CYCLOCITRAL	37	41
	ISO-PROPYL QUINOLINE	30	120
	1-HEXANAL	24	73
	AMYL CINNAMALDEHYDE DI-ET ACETAL	24	11
	MELONAL	23	93
HONEY			
	PHENYL ACETIC ACID	10	113
	VANILLIN	7	143
	PHENYL ETHANOL 40 ML/L	7	115

TABLE 161—Continued

ODOR DESCRIPTORS	ODORANTS WITH HIGHEST P. A.	P. A.	TABLE ##
	COUMARIN	5	34
	CYCLOTENE	5	45
HOUSEHOLD GAS			
	THIOPHENE	27	132
	DIETHYL SULFIDE	25	50
	CYCLODITHALFAROL	17	42
	THIOGLYCOLIC ACID	13	131
	TETRAHYDRO THIOPHENE	12	128
INCENSE			
	CASHMERAN	21	28
	PATCHOULI OIL	16	154
	ISO-BORNYL ACETATE	13	20
	CINNAMON LEAF OIL (CEYLON)	11	148
	ACETOPHENONE	10	2
KEROSENE			
	PHENYL ACETYLENE	14	114
	CYCLOHEXANOL	7	44
	THYMOL	7	133
	N-BUTYL SULFIDE	6	23
	2-METHOXY NAPHTHALENE (YARA-YARA)	6	95
KIPPERY (SMOKED FISH)			
	HEXYL AMINE 20 ML/L	21	78
	TRIMETHYL AMINE	18	137
	HEXYL AMINE 60 ML/L	11	79
	PYRIDINE	7	122
	GUAIACOL	6	70
LAUREL LEAVES			
	1-HEXANOL	2	75
LAVENDER			
	PHENYL ETHANOL 40 ML/L	14	115
	PHENYL ETHANOL 200 ML/L	14	116
	METHYL ANTHRANILATE	10	96
	CASHMERAN	10	28
	LYRAL	8	91
LEATHER			
	M-CRESOL	10	35
	THYMOL	8	133
	GUAIACOL	8	70
	P-CRESYL ISO-BUTYRATE	7	38
	CYCLOHEXANOL	7	44
LEMON (FRUIT)			
	CITRAL	71	32
	CITRALVA	55	33
	D-LIMONENE	44	90
	LINALOOL	27	89
	MELONAL	26	93
LIGHT			
	DIMETHYL PHENYL ETHYL CARBINOL	35	52
	MYRACALDEHYDE	35	106
	LINALOOL	33	89
	D-LIMONENE	32	90
	SPEARMINT OIL	30	159
MALTY			
	VANILLIN	23	143
	2,3-DIMETHYL PYRAZINE	10	53
	CELERIAX	7	29
	ABHEXONE	6	1
	1-HEXANAL	6	73
MAPLE (AS IN SYRUP)			
	CYCLOTENE	29	45
	CELERIAX	27	29
	ABHEXONE	22	1
	VANILLIN	7	143
	ETHYL PROPIONATE	7	60

MEATY (COOKED, GOOD)			
	FURFURYL MERCAPTAN	13	68
	2,4-TRANS-TRANS-DECADIENAL	12	47
	CYCLODITHALFAROL	11	42
	DIMETHYL TRISULFIDE	10	56
	2-ACETYL PYRIDINE	8	3
MEDICINAL			
	CYCLOHEXANOL	41	44
	EUCALYPTOL	41	63
	L-MENTHOL	41	94
	DL-CAMPHOR	39	25
	M-CRESOL	36	35
MELON - CANTALOUPE, HONEY DEW MELON			
	FLORALOZONE	32	65
	MELONAL	15	93
	ETHYL BUTYRATE	13	59
	ALLYL CAPROATE	10	8
	FRUCTONE	8	66
METALLIC			
	NONYL ACETATE	11	107
	HEXYL AMINE 20 ML/L	11	78
	DIPHENYL OXIDE	9	58
	MARITIMA	8	92
	GARLIC OIL	7	151
MINTY, PEPPERMINT			
	SPEARMINT OIL	87	159
	L-CARVONE	82	26
	METHYL SALICYLATE	66	102
	L-MENTHOL	43	94
	EUCALYPTOL	29	63
MOLASSES			
	CELERIAX	13	29
	CYCLOTENE	12	45
	ABHEXONE	7	1
	1,2-CYCLOHEXADIONE	5	43
MOTHBALLS - LIKE MOTHBALLS			
	TETRAQUINONE	43	129
	SKATOLE	37	126
	INDOLE	26	83
	ACETOPHENONE	15	2
	2-METHOXY NAPHTHALENE (YARA-YARA)	15	95
MOUSE-LIKE			
	INDOLE	5	83
	SKATOLE	4	126
MUSHROOM-LIKE			
	1-OCTEN-3-OL	22	110
	CYCLOTROPAL	15	46
	HYDRATROPIC ALDEHYDE DIMETHYLACETAL	12	81
	ISO-PROPYL QUINOLINE	6	120
	3-PYRROLINE + 25 % 1-PYRROLIDONE	5	157
MUSK-LIKE			
	MUSK TONALID	31	105
	MUSK GALOXILIDE	26	104
	CASHMERAN	18	28
	SANTALOL	10	125
	SANDIFF	8	124
MUSTY, EARTHY, MOLDY			
	ISO-PROPYL QUINOLINE	45	120
	METHYL ISO-BORNEOL	38	99
	ISO-CYCLOCITRAL	37	41
	ISO-BUTYL QUINOLINE	33	24
	GAMMA-UNDECALACTONE	31	138
NAIL POLISH REMOVER			
	ISO-AMYL ACETATE	22	9
	ANISOLE	19	16
	3-HEXANOL	18	76
	DIOLA	13	57
	PHENYL ACETYLENE	12	114
NUTTY (WALNUT, ETC)			
	2,3-DIMETHYL PYRAZINE	30	53
	2-ETHYL PYRAZINE 40 ML/L	26	62

TABLE 161—Continued

ODOR DESCRIPTORS	ODORANTS WITH HIGHEST P. A.	P. A.	TABLE ##
	2-ETHYL PYRAZINE 20 ML/L	25	61
	2-ACETYL PYRIDINE	17	3
	2,5-DIMETHYL PYRROLE	17	55
OAK WOOD, COGNAC-LIKE			
	1-HEXANOL	7	75
	CEDARTONE	7	145
	1-HEPTANOL	6	72
	GUAIACOL	5	70
	2,5-DIMETHYL PYRAZINE	5	54
OILY, FATTY			
	2,4-TRANS-TRANS-DECADIENAL	50	47
	1-HEPTANAL	30	71
	1-OCTANOL	24	109
	2-ACETYL PYRIDINE	22	3
	FURFURYL MERCAPTAN	21	68
ORANGE (FRUIT)			
	D-LIMONENE	43	90
	CITRAL	24	32
	ALLYL CAPROATE	12	8
	CITRALVA	12	33
	ETHYL BUTYRATE	11	59
PAINT-LIKE			
	PHENYL ACETYLENE	28	14
	DIOLA	26	57
	ANISOLE	23	16
	EUCALYPTOL	18	63
	1-BUTANOL	17	22
PEACH (FRUIT)			
	GAMMA-UNDECALACTONE	9	138
	ETHYL BUTYRATE	8	59
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	7	5
	ALLYL CAPROATE	7	8
	ALDEHYDE C-16 (SO-CALLED) 40 ML/L	7	6
PEANUT BUTTER			
	2-ETHYL PYRAZINE 40 ML/L	43	62
	2,3-DIMETHYL PYRAZINE	38	53
	2-ETHYL PYRAZINE 20 ML/L	37	61
	THIENOPYRIMIDINE	17	130
	2-ACETYL PYRIDINE	15	3
PEAR (FRUIT)			
	ALLYL CAPROATE	11	8
	FRUCTONE	9	66
	ETHYL BUTYRATE	8	59
	ISO-AMYL ACETATE	7	9
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	6	5
PERFUMERY			
	PERFUME "CHARLIE"	56	155
	MUSK GALOXILIDE	48	104
	PHENYL ETHANOL 40 ML/L	43	115
	CASHMERAN	43	28
	MUSK TONALID	42	105
PINEAPPLE (FRUIT)			
	ALLYL CAPROATE	43	8
	ETHYL BUTYRATE	16	59
	FRUCTONE	11	66
	ETHYL PROPIONATE	10	60
	AMYL BUTYRATE	10	10
POPCORN			
	THIENOPYRIMIDINE	48	130
	2-ACETYL PYRIDINE	35	3
	2,5-DIMETHYL PYRROLE	18	55
	2,3-DIMETHYL PYRAZINE	16	53
	2-ETHYL PYRAZINE 40 ML/L	10	62

POTATO - SEE RAW POTATO

PUTRID, FOUL, DECAYED			
	METHYL THIOBUTYRATE	53	103
	BUTANOIC ACID (BUTYRIC ACID)	39	21
	PENTANOIC ACID (VALERIC ACID)	37	111
	THIOGLYCOLIC ACID	32	131
	PYRIDINE	32	122
RAISINS			
	CINNAMON LEAF OIL (CEYLON)	10	148
	DIMETHYL BENZYL CARBINYL BUTYRATE	8	51
	FURFURAL	5	67
RANCID			
	BUTANOIC ACID (BUTYRIC ACID)	38	21
	METHYL THIOBUTYRATE	38	103
	PENTANOIC ACID (VALERIC ACID)	37	111
	ISO-VALERIC ACID	36	141
	2,4-TRANS-TRANS-DECADIENAL	28	47
RAW CUCUMBER-LIKE			
	MELONAL	10	93
	FLORALOZONE	6	65
	ISO-PROPYL QUINOLINE	6	120
	2,4-TRANS-TRANS-DECADIENAL	5	47
RAW POTATO-LIKE			
	ISO-PROPYL QUINOLINE	17	120
	1-HEXANAL	5	73
ROPE-LIKE			
	PROPYL SULFIDE	3	121
ROSE-LIKE			
	PHENYL ETHANOL 200 ML/L	58	116
	PHENYL ETHANOL 40 ML/L	48	115
	PHENOXAFLOR	31	156
	BETA-IONONE 5 ML/L	17	86
	METHYL ACETALDEHYDE DIMETHYLACETAL	17	97
RUBBERY (NEW RUBBER)			
	CHLOROTHYMOL	9	30
	THYMOL	9	133
	METHYL FUROATE	9	98
	P-CRESYL ISO-BUTYRATE	8	38
	M-CRESOL	7	35
SAUERKRAUT-LIKE			
	DIMETHYL TRISULFIDE	10	56
	METHYL THIOBUTYRATE	4	103
SEASONING (FOR MEAT)			
	GARLIC OIL	17	151
	ONION OIL	12	153
	DIMETHYL TRISULFIDE	11	56
	CYCLODITHALFAROL	7	42
	ABHEXONE	7	1
SEMINAL, SPERM-LIKE			
	3-PYRROLINE + 25 % 1-PYRROLIDONE	22	157
	HEXANOIC ACID	3	74
SEWER ODOR			
	METHYL THIOBUTYRATE	23	103
	CYCLODITHALFAROL	21	42
	THIOGLYCOLIC ACID	18	131
	SKATOLE	15	126
	PENTANOIC ACID (VALERIC ACID)	15	111
SHARP, PUNGENT, ACID			
	TETRAHYDRO THIOPHENE	43	128
	PYRIDINE	40	122
	PHENYL ACETYLENE	32	114
	THIOGLYCOLIC ACID	30	131
	BUTANOIC ACID (BUTYRIC ACID)	30	21
SICKENING			
	METHYL THIOBUTYRATE	69	103
	PYRIDINE	63	122
	CYCLODITHALFAROL	56	42
	BUTANOIC ACID (BUTYRIC ACID)	55	21
	THIOGLYCOLIC ACID	54	131

TABLE 161—Continued

ODOR DESCRIPTORS	ODORANTS WITH HIGHEST P. A.	P. A.	TABLE ##
SOAPY			
	OENANTIC ETHER	35	152
	NONYL ACETATE	23	107
	CASHMERAN	18	28
	MYRACALDEHYDE	15	106
	ISO-BORNYL ACETATE	14	20
SOOTY			
	GUAIACOL	8	70
	INDOLE	4	83
SOUPY			
	ONION OIL	3	153
SOUR MILK			
	METHYL THIOBUTYRATE	27	103
	BUTANOIC ACID (BUTYRIC ACID)	21	21
	4-PENTENOIC ACID	18	112
	ISO-VALERIC ACID	12	141
	PENTANOIC ACID (VALERIC ACID)	11	111
SOUR, ACID, VINEGAR			
	HEXANOIC ACID	33	74
	PROPYL BUTYRATE	33	119
	ISO-VALERIC ACID	30	141
	BUTANOIC ACID (BUTYRIC ACID)	29	21
	METHYL THIOBUTYRATE	26	103
SPICY			
	CINNAMON LEAF OIL (CEYLON)	58	148
	CINNAMALDEHYDE	52	31
	CINNAMON BARK OIL (CEYLON)	51	147
	CLOVE BUD OIL	50	149
	EUGENOL	40	64
STALE TOBACCO SMOKE			
	2-ETHYL PYRAZINE 40 ML/L	9	62
	ISO-BUTYL QUINOLINE	5	24
	2-ETHYL PYRAZINE 20 ML/L	5	61
	1,2-CYCLOHEXADIONE	5	43
	ISO-PHORONE	5	117
STRAWBERRY-LIKE			
	ALDEHYDE C-16 (SO-CALLED) 40 ML/L	32	6
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	31	5
	ETHYL BUTYRATE	23	59
	FRUCTONE	11	66
	GAMMA-UNDECALACTONE	10	138
SULFIDIC			
	CYCLODITHALFAROL	30	42
	THIOGLYCOLIC ACID	26	131
	THIOPHENE	24	132
	DIETHYL SULFIDE	22	50
	ONION OIL	19	153
SWEATY			
	ISO-VALERIC ACID	42	141
	PENTANOIC ACID (VALERIC ACID)	36	111
	BUTANOIC ACID (BUTYRIC ACID)	34	21
	HEXANOIC ACID	29	74
	AMYL VALERATE	21	13
SWEET			
	ALDEHYDE C-16 (SO-CALLED) 20 ML/L	65	5
	ALLYL CAPROATE	64	8
	ALDEHYDE C-16 (SO CALLED) 40 ML/L	55	6
	VANILLIN	55	143
	ETHYL BUTYRATE	54	59
TAR-LIKE			
	CYCLOHEXANOL	18	44
	THYMOL	15	133
	GUAIACOL	15	70
	1,2-CYCLOHEXADIONE	13	43
	INDOLE	13	83

TEA-LEAVES-LIKE			
	CINNAMON BARK OIL (CEYLON)	6	147
	CINNAMON LEAF OIL (CEYLON)	6	148
	CLOVE BUD OIL	5	149
TURPENTINE (PINE OIL)			
	EUCALYPTOL	35	63
	ROSEMAREL	34	158
	ISO-BORNYL ACETATE	24	20
	TERPINEOL, MOSTLY ALPHA	23	127
	ALPHA-PINENE	20	118
URINE-LIKE			
	PHENYL ACETIC ACID	21	113
	TRIMETHYL AMINE	12	137
	HEXANOIC ACID	11	74
	BUTANOIC ACID (BUTYRIC ACID)	9	21
	P-CRESYL METHYL ETHER	8	39
VANILLA-LIKE			
	VANILLIN	57	143
	COUMARIN	15	34
	ALDEHYDE C18 (SO-CALLED)	12	7
	BENZALDEHYDE	11	18
	ETHYL PROPIONATE	8	60
VARNISH			
	PHENYL ACETYLENE	18	114
	ANISOLE	14	16
	1-HEPTANOL	11	72
	CYCLOHEXANOL	11	44
	EUCALYPTOL	10	63
VIOLETS			
	PHENYL ETHANOL 200 ML/L	20	116
	PHENYL ETHANOL 40 ML/L	18	115
	BETA-IONONE 5 ML/L	10	86
	ALPHA-IRONE	9	88
	LYRAL	8	91
WARM			
	CINNAMALDEHYDE	25	31
	CINNAMON BARK OIL (CEYLON)	23	147
	ANETHOLE	19	15
	ACETOPHENONE	18	2
	CYCLOTENE	17	45
WET PAPER-LIKE			
	ISO-PROPYL QUINOLINE	5	120
	METHYL ISO-BORNEOL	5	99
	1-HEXANAL	5	73
	GAMMA-UNDECALACTONE	5	138
WET WOOL, WET DOG			
	ISO-VALERIC ACID	9	141
	PENTANOIC ACID (VALERIC ACID)	8	111
	MARITIMA	8	92
	BUTANOIC ACID (BUTYRIC ACID)	6	21
	CYCLODITHALFAROL	6	42
WOODY, RESINOUS			
	CEDARTONE	49	145
	ANDRANE	41	14
	ALPHA-PINENE	40	118
	CEDRONE S	39	146
	GRISALVA	35	69
YEASTY			
	BUTANOIC ACID (BUTYRIC ACID)	12	21
	PENTANOIC ACID (VALERIC ACID)	10	111
	ISO-VALERIC ACID	8	141
	METHYL THIOBUTYRATE	7	103
	1-HEPTANAL	6	71

TABLE 162—Sources of Odorants and Odorant Mixtures

"VIA" MEANS THAT THE MATERIAL WAS DONATED BY THE SOURCE BUT CAME FROM OTHER SOURCE, SOMETIMES DIFFICULT TO TRACE AND NOT IDENTIFIED.

ORDERED ALPHABETICALLY; PREFIXES D-, L-, ISO-, PARA-, ETC. IGNORED

NAME OF ODORANT	SOURCE (VENDOR)
ABHEXONE	VIA IFF
ACETOPHENONE	GIVAUDAN VIA IITRI
2-ACETYL PYRIDINE	ALDRICH VIA IITRI
ADOXAL	VIA IFF
ALDEHYDE C-16 (SO-CALLED) 20 ML/L	GIVAUDAN VIA IITRI
ALDEHYDE C-16 (SO-CALLED) 40 ML/L	GIVAUDAN VIA IITRI
ALDEHYDE C-18 (SO-CALLED)	IFF
ALLYL CAPROATE	GIVAUDAN VIA IITRI
ISO-AMYL ACETATE	ALDRICH VIA IITRI
AMYL BUTYRATE	ALDRICH VIA IITRI
AMYL. CINN. ALDEH. DIETHYL ACETAL	GIVAUDAN VIA IITRI
AMYL PHENYL ACETATE	IFF
AMYL VALERATE	IFF
ANDRANE	IFF
ANETHOLE	POLAROME VIA PROCTER AND GAMBLE
ANISOLE	CHEM SERVICE
AURALVA	IFF
BENZALDEHYDE	ALDRICH VIA IITRI
BENZO DIHYDRO PYRONE	VIA IFF
ISO-BORNYL ACETATE	GIVAUDAN VIA IITRI
BUTANOIC ACID (BUTYRIC ACID)	POLYSCIENCE VIA IITRI
1-BUTANOL	MCB VIA PROCTER & GAMBLE
N-BUTYL SULFIDE	ALDRICH VIA IITRI
ISO-BUTYL QUINOLINE	IFF
DL-CAMPHOR	ALDRICH VIA IITRI
L-CARVONE	NORDA VIA PROCTER & GAMBLE
CARYOPHYLLENE	VIA IFF
CASHMERAN	IFF
CELERIAX	IFF
CHLOROTHYMOL	ALDRICH VIA IITRI
CINNAMALDEHYDE	ALDRICH VIA IITRI
CITRAL	GIVAUDAN VIA IITRI
CITRALVA	IFF
COUMARIN	GIVAUDAN VIA IITRI
META-CRESOL	POLYSCIENCE VIA IITRI
PARA-CRESOL	VIA IFF
PARA-CRESYL ACETATE	GIVAUDAN VIA IITRI
PARA-CRESYL ISO-BUTYRATE	IFF
PARA-CRESYL METHYL ETHER	NORDA VIA PROCTER & GAMBLE
CUMINIC ALDEHYDE	GIVAUDAN VIA IITRI
ISO-CYCLOCITRAL	IFF
CYCLODITHALFAROL	IFF
1,2-CYCLOHEXANEDIONE	VIA IFF
CYCLOHEXANOL	MCB VIA PROCTER & GAMBLE
CYCLOTENE	VIA IFF
CYCLOTROPAL	IFF
2,4-TRANS-TRANS-DECADIENAL	ALDRICH VIA IITRI
DECAHYDRO NAPHTHALENE	EASTMAN VIA IITRI
DIBUTYL AMINE	POLYSCIENCE VIA IITRI
DIETHYL SULFIDE	POLYSCIENCE VIA IITRI

DIMETHYL BENZYL CARBINYL BUTYRATE	IFF
DIMETHYL PHENYL ETHYL CARBINOL	GIVAUDAN VIA IITRI
2,3-DIMETHYL PYRAZINE	PYRAZINE SPECIALTIES VIA IITRI
2,5-DIMETHYL PYRAZINE	PYRAZINE SPECIALTIES VIA IITRI
2,5-DIMETHYL PYRROLE	ALDRICH VIA IITRI
DIMETHYL TRISULFIDE	VIA IFF
DIOLA	IFF
DIPHENYL OXIDE	GIVAUDAN VIA IITRI
ETHYL BUTYRATE	POLYSCIENCE VIA IITRI
ETHYL PROPIONATE	VIA IFF
2-ETHYL PYRAZINE 20 ML/L	PYRAZINE SPECIALTIES VIA IITRI
2-ETHYL PYRAZINE 40 ML/L	PYRAZINE SPECIALTIES VIA IITRI
EUCALYPTOL	ALDRICH VIA IITRI
EUGENOL	ALDRICH VIA IITRI
FLORALOZONE	IFF
FRUCTONE	IFF
FURFURAL	ALDRICH VIA IITRI
FURFURYL MERCAPTAN	ALDRICH VIA IITRI
GRISALVA	IFF
GUAIACOL	ALDRICH VIA IITRI
1-HEPTANAL	ALDRICH VIA IITRI
1-HEPTANOL	GIVAUDAN VIA IITRI
1-HEXANAL	ALDRICH VIA IITRI
HEXANOIC ACID	ALDRICH VIA IITRI
1-HEXANOL	MCB VIA PROCTER & GAMBLE
3-HEXANOL	BAKER VIA IITRI
TRANS-2-HEXENAL	VIA IFF
HEXYL AMINE 20 ML/L	EASTMAN VIA IITRI
HEXYL AMINE 60 ML/L	EASTMAN VIA IITRI
HEXYL CINNAMIC ALDEHYDE	IFF
HYDRATROP. ALDEH. DIMETHYL ACETAL	GIVAUDAN VIA IITRI
HYDROXY CITRONELLAL	IFF
INDOLE	GIVAUDAN VIA IITRI
INDOLENE 50 %	IFF
IODOFORM	CHEM SERVICE VIA IITRI
BETA-IONONE 5 ML/L	ALDRICH VIA IITRI
BETA IONONE 50 ML/L	ALDRICH VIA IITRI
ALPHA-IRONE	GIVAUDAN VIA IITRI
LINALOOL	GIVAUDAN VIA IITRI
D-LIMONENE	IFF
LYRAL	IFF
MARITIMA	IFF
MELONAL	GIVAUDAN VIA IITRI
L-MENTHOL	ALDRICH VIA IITRI
2-METHOXY NAPHTHALENE (YARA-YARA)	GIVAUDAN VIA IITRI
METHYL ANTHRANILATE	GIVAUDAN VIA IITRI
METHYL ACETALD. DIMETHYL ACETAL	VIA IFF
METHYL FUROATE	VIA IFF
METHYL ISO-BORNEOL	A RESEARCH LABORATORY VIA IITRI
PARA-METHYL QUINOLINE	IFF
METHYL ISO-NICOTINATE	ALDRICH VIA IITRI
METHYL SALICYLATE	ALDRICH VIA IITRI
METHYL THIOBUTYRATE	VIA IFF
MUSK GALOXILIDE 50 %	IFF
MUSK TONALID	GIVAUDAN VIA IITRI
MYRACALDEHYDE	IFF

TABLE 162—Continued

NAME OF ODORANT	SOURCE (VENDOR)
NONYL ACETATE	IFF
NOOTKATONE	VIA IFF
1-OCTANOL	ALDRICH VIA IITRI
1-OCTEN-3-OL	IFF
PENTANOIC ACID (VALERIC ACID)	POLYSCIENCE VIA IITRI
4-PENTENOIC ACID	VIA IFF
PHENYL ACETIC ACID	VIA IFF
PHENYL ACETYLENE	ALDRICH VIA IITRI
PHENYL ETHANOL 40 ML/L	GIVAUDAN VIA IITRI
PHENYL ETHANOL 200 ML/L	GIVAUDAN VIA IITRI
ISO-PHORONE	CHEM SERVICE VIA IITRI
ALPHA-PINENE	ALDRICH VIA IITRI
PROPYL BUTYRATE	BAKER VIA IITRI
ISO-PROPYL QUINOLINE	GIVAUDAN VIA IITRI
PROPYL SULFIDE	POLYSCIENCE VIA IITRI
PYRIDINE	VIA PROCTER & GAMBLE
SAFROLE	GIVAUDAN VIA IITRI
SANDIFF	IFF
SANTALOL	GIVAUDAN VIA IITRI
SKATOLE	GIVAUDAN VIA IITRI
TERPINEOL, MOSTLY ALPHA	VIA IFF
TETRAHYDRO THIOPHENE	PFALTZ & BAUER VIA IITRI
TETRAQUINONE	GIVAUDAN VIA IITRI
THIENOPYRIMIDINE	IFF
THIOGLYCOLIC ACID	EASTMAN VIA IITRI
THIOPHENE	EASTMAN VIA IITRI
THYMOL	ALDRICH VIA IITRI
ORTHO-TOLUALDEHYDE	ALDRICH VIA IITRI
TOLUENE 100 ML/L	ALDRICH VIA IITRI
TOLUENE 300 ML/L	ALDRICH VIA IITRI
TRIMETHYL AMINE	VIA IFF
GAMMA-UNDECALACTONE	GIVAUDAN VIA IITRI
UNDECYLENIC ACID	CHEM SERVICE VIA IITRI
ISO-VALERALDEHYDE	ALDRICH VIA IITRI
ISO-VALERIC ACID	POLYSCIENCE VIA IITRI
GAMMA-VALEROLACTONE	VIA IFF
VANILLIN	ALDRICH VIA IITRI
ZINGERONE	GIVAUDAN VIA IITRI
***** MIXTURES *****	
CEDARTONE	GIVAUDAN VIA IITRI
CEDRONE S	IFF
CINNAMON BARK OIL (CEYLON)	VIA IFF
CINNAMON LEAF OIL (CEYLON)	VIA IFF
CLOVE BUD OIL	VIA IFF
EUCALYPTUS OIL 73 - 75 %	VIA IFF
GARLIC OIL	VIA IFF
OENANTIC ETHER	VIA IFF
ONION OIL	VIA IFF
PATCHOULI OIL	VIA IFF

PERFUME "CHARLIE"	RETAIL STORE
PHENOXAFLOR	IFF
3-PYRROLINE + 25 % PYRROLIDONE	ALDRICH VIA IITRI
ROSEMAREL	IFF
SPEARMINT OIL	VIA IFF
BLANK - DIPROPYLENE GLYCOL ONLY	JEFFERSON CHEMICALS

NOTES TO TABLE 162

"VIA" in the table means that the respective organization supplied the odorant sample, which came from source (if known) named before "VIA."

(A) List of Odorant Sources

Aldrich = Aldrich Chemical Company, P. O. Box 355, Milwaukee, Wisconsin 53201.

Baker = J. T. Baker Company, 222 Red School Lane, Phillipsburg, New Jersey 08865.

Chem Service = Chem Service, Inc., P. O. Box 194, West Chester, Pennsylvania 19380.

Eastman = Eastman Organic Chemicals, 343 State Street, Rochester, New York 14650.

Givaudan = Givaudan Corporation, 100 Delawanna Avenue, Clifton, New Jersey 07014.

IFF = International Flavors and Fragrances, 1515 Highway 36, Union Beach, New Jersey 07735.

IITRI = IIT Research Institute, 10 West 35th Street, Chicago, Illinois 60616.

Jefferson Chemicals = Texaco, Inc., (Texaco Chemical Company), P. O. Box 52332, Houston, Texas 77052 (Jefferson Chemicals product).

MCB = MCB Manufacturing & Chemical Company, Inc., 2909 Hyland Avenue, Cincinnati, Ohio 45217.

Norda = Orbis Division, Norda, Inc., 140 Route 10, East Hanover, New Jersey 07937.

Pfaltz & Bauer = Pfaltz & Bauer, Inc., 375 Fairfield Avenue, Stamford, Connecticut 06902.

Polarome = Polarome Manufacturing Company, Inc., International Company, 22 Ericsson Plaza, New Yotk, New York 10053.

Polyscience = Polysciences, Inc., 400 Valley Road, Warrington, Pennsylvania 18976.

Pyrazine Specialties = Pyrazine Specialties, P. O. Box 6933, Atlanta, Georgia 30315.

(B) Purity of Odorants

In cases of sources such as Givaudan, IFF, and Procter & Gamble, the odorants were of "sensory purity," -- their odor, per source, complied to the sensory standards in effect at respective organizations. In cases of other sources, highest purity available was used for preparation of odor samples. In neither case is there a guarantee that the odorants were chemically pure. The profiles were to correspond to odorants of commercially available purity, easily obtainable as samples for panelist selection and training. Thus the profiles

may, or may not, correspond to those of chemically pure compounds such as would be prepared by succesive laborious steps of purification and therefore difficult to obtain.

Some information on odors of purified odorants and methods of their purification has been published ("Reference Standards for Beer Flavor Terminology System," by M. C. Meilgaard, D. S. Reid, and K. A. Wyborski, in Am. Ass. of Brewing Chem. Journal 40, 119-128; 1982). It is based on a collaborative study of the American Society of Brewing Chemists conducted to select odorants representing various tones encountered in beer flavor. When necessary, the odorants were purified until their odor thresholds stabilized. As an example (correspondence with Dr. Meilgaard, The Stroh Brewery Company, Detroit, Michigan 48226), the harsh notes detected by some panelists in odor of phenyl ethanol disappear upon purification of this odorant.

TABLE 163—Alphabetic List of Usual (as in headings of tables) and Alternate Names of Odorant Chemicals

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Acetate, iso-amyl, Table 9
Acetate, iso-bornyl, Table 20
Acetate: nonyl acetate, Table 107
Acetic acid, p-tolyl ester, Table 37
Acetic acid, phenyl iso-pentyl ester, Table 12
Acetic acid, phenyl, 3-methyl butyl ester, Table 12
Acetic acid: phenyl acetic acid, Table 113
Acetophenone, Table 2
Acetyl pyridine: 2-acetyl pyridine, Table 3
Adoxal, Table 4
Aldehyde C-16 (so-called), Tables 5, 6
Aldehyde C-18 (so-called), Table 7
Aldehyde C-7 (heptanal), Table 71
Allyl caproate, Table 8
Allyl hexanoate, Table 8
alpha-Cedrene epoxide, Table 14
alpha-Irone, Table 88
alpha-Pinene, Table 118
Amyl acetate: iso-amyl acetate, Table 9
Amyl butyrate, Table 10
Amyl cinnamic aldehyde diethyl acetal, Table 11
Amyl phenyl acetate, Table 12
Amyl valerate, Table 13
Amyl vinyl carbinol, Table 100
Andrane, Table 14
Anethole, Table 15
Anise camphor, Table 15
Anisole, 4-methyl anisole, Table 39
Anisole, 4-propenyl, Table 15
Anisole, Table 16
Anisole: p-methyl anisole, Table 39
Anthranilate, methyl N-(3,7-dimethyl-7-hydroxy octylidene), Table 17
Anthranilate: methyl anthranilate, Table 96
Anthranilic acid, N-(7-hydroxy-3,7-dimethyl octylidene) methyl ester, Table 17
Anthranilic acid: anthranilic acid methyl ester, Table 96
Argeol, Table 125
Auralva, Table 17
Aurantiol, Table 17
Auriol, Table 17
Benzaldehyde, Table 18
Benzaldehyde: benzaldehyde, 4-hydroxy-3-methoxy, Table 143
Benzaldehyde: o-methyl benzaldehyde, Table 134
Benzaldehyde: p-iso-propyl benzaldehyde, Table 40
Benzene: benzene, 4-allyl-1,2-(methylenedioxy), Table 123
Benzene: benzeneacetic acid, Table 113
Benzene: benzeneethanol, Tables 115, 116
Benzene: ethynyl benzene, Table 114
Benzene: methoxy benzene, Table 16
Benzene: methyl benzene, Tables 135, 136
Benzeneacetic acid, Table 113
Benzo dihydro pyrone, Table 19
Benzopyranone: 2H-1-benzopyran-2-one, Table 34
beta-Ionone, Tables 86, 87
Blank, Table 160
Bornalol: 2-bornalol acetate, Table 20
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Borneol: 2-methyl iso-borneol, Table 99
Bornyl acetate, Table 20
Butanal: butanal, 3-methyl, Table 140
Butanoic acid, 1,1-dimethyl-2-phenyl ester, Table 51
Butanoic acid, pentyl ester, Table 10
Butanoic acid, Table 21
Butanoic acid: butanoic acid, 3-methyl, Table 141
Butanoic acid: butanoic acid, propyl ester, Table 119
Butanol, 1-butanol, 3-methyl acetate, Table 9
Butanol, 1-butanol, Table 22
Butanol, n-butanol, Table 22
Butanol: 2-butanol, 2-methyl-4-phenyl, Table 52
Butanolide: 4-amyl-butanolide, Table 7
Butanone: 2-butanone, 4-(4-hydroxy-3-methoxy phenyl), Table 144
Butenone: 3-buten-2-one, 4-(2,5,6,6-tetramethyl-2-cyclohexen-1-yl), E, Table 8
Butenone: 3-buten-2-one, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl), E, Tables 86, 87
Butyl alcohol, Table 22
Butyl amine: di-N-butyl amine, Table 49
Butyl sulfide, Table 23
Butyl thioether, Table 23
Butyrate: propyl butyrate, Table 119
Butyric acid, 1,1-dimethyl-2-phenyl ester, Table 51
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Butyric acid, thio-, S-methyl ester, Table 103
Butyric acid: butyric acid ethyl ester, Table 59
Butyric acid: butyric acid propyl ester, Table 119
Butyrolactone: 4-amyl-gamma-butyrolactone, Table 7
Butyrolactone: gamma-n-heptyl-gamma-butyrolactone, Table 138
Cajeputol, Table 63
Camphanone: dl-2-camphanone, Table 25
Camphor: dl-camphor, Table 25
Caproaldehyde, Table 73
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Caproic acid, Table 74
Caproic aldehyde, Table 73
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Carvone: l-carvone, Table 26
Caryophyllene, Table 27
Cashmeran, Table 28
Cedrene: alpha-cedrene epoxide, Table 14
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Cyclohexanol: cyclohexanol, 2-(2-isocamphenyl), Table 124
Cyclohexanol: cyclohexanol, 2-(5,5,6-trimethyl-2-norbornyl), Table 124
Cyclohexanol: cyclohexanol, 5-methyl-2-(1-methyl ethyl), Table 94
Cyclohexenone: 2-cyclohexen-1-one, 3,5,5-trimethyl, Table 117
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Cyclopentenone: 2-cyclopenten-1-one, 2-hydroxy-3-methyl, Table 45
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Dimethyl phenyl ethyl carbinol, Table 52
Dimethyl pyrazine: 2,3-dimethyl pyrazine, Table 53
Dimethyl pyrazine: 2,5-dimethyl pyrazine, Table 54
Dimethyl pyrrole: 2,5 dimethyl pyrrole, Table 55
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Dioxalane: 1,3-dioxalane, 4-methyl-2-(1-phenyl ethyl), Table 45
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Furanone: 2(3H)-furanone, dihydro-5-methyl, Table 142
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Heptenal: 5-heptenal, 2,6-dimethyl, Table 93
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Hexanoic acid, 2-propenyl ester, Table 8
Hexanoic acid, allyl ester, Table 8
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