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**Milk and milk products — Extraction
methods for lipids and liposoluble
compounds**

AMENDMENT 1

*Lait et produits laitiers — Méthodes d'extraction des lipides et des
composés liposolubles*

AMENDEMENT 1



Reference numbers
ISO 14156:2001/Amd.1:2007(E)
IDF 172:2001(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 14156|IDF 172:2001 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products* and the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.

Foreword

IDF (the International Dairy Federation) is a non-profit organization representing the dairy sector worldwide. IDF membership comprises National Committees in every member country as well as regional dairy associations having signed a formal agreement on cooperation with IDF. All members of IDF have the right to be represented at the IDF Standing Committees carrying out the technical work. IDF collaborates with ISO in the development of standard methods of analysis and sampling for milk and milk products.

Draft International Standards adopted by the Action Teams and Standing Committees are circulated to the National Committees for voting. Publication as an International Standard requires approval by at least 50 % of the IDF National Committees casting a vote.

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All work was carried out by the Joint ISO-IDF Action Team on *Fat* of the Standing committee on *Main components of milk* under the aegis of its project leader Mr R.J. de Knegt (NL).

Milk and milk products — Extraction methods for lipids and liposoluble compounds

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Page 1, Clause 1

Replace the second paragraph by:

“The method is applicable for the methods described in ISO 12078|IDF 159, ISO 15884|IDF 182, ISO 15885|IDF 184 and ISO 18252|IDF 200.”

Page 4, 8.6

Add, as the final paragraph:

“If the cholesterol content of cheese has to be determined, the extraction procedure described in this subclause is incomplete. In this case, proceed as follows: suspend an amount of test sample containing approximately 4 g fat in 100 ml distilled water. Proceed as described in 8.3.”

Page 6, Bibliography

Replace Reference [2], “ISO 15884” with “ISO 12078|IDF 159, *Anhydrous milk fat — Determination of sterol composition by gas liquid chromatography (Reference method)*”.

Replace Reference [3], “ISO 15885” by “ISO 15884|IDF 182, *Milk fat — Preparation of fatty acid methyl esters*”.

Add Reference [4]: “ISO 15885|IDF 184, *Milk fat — Determination of the fatty acid composition by gas-liquid chromatography*”.

Add Reference [5]: “ISO 18252|IDF 200, *Anhydrous milk fat — Determination of sterol composition by gas liquid chromatography (Routine method)*”.

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