

**SLOVENSKI STANDARD**  
**SIST EN ISO 17678:2019****01-september-2019****Nadomešča:****SIST EN ISO 17678:2010**

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**Mleko in mlečni proizvodi - Določanje čistosti mlečne maščobe s plinsko kromatografsko analizo trigliceridov (referenčna metoda) (ISO 17678:2019)**

Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (ISO 17678:2019)

Milch und Milcherzeugnisse - Bestimmung der Reinheit des MilCHFetts durch gaschromatographische Triglyceridanalyse (Referenzverfahren) (ISO 17678:2019)

Lait et produits laitiers - Détermination de la pureté des matières grasses laitières par analyse chromatographique en phase gazeuse des triglycérides (ISO 17678:2019)

**Ta slovenski standard je istoveten z: EN ISO 17678:2019****ICS:**

|           |                                     |                                     |
|-----------|-------------------------------------|-------------------------------------|
| 67.100.10 | Mleko in predelani mlečni proizvodi | Milk and processed milk products    |
| 71.040.50 | Fizikalnokemijske analitske metode  | Physicochemical methods of analysis |

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EUROPEAN STANDARD

**EN ISO 17678**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2019

ICS 67.100.10

Supersedes EN ISO 17678:2010

English Version

## Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (ISO 17678:2019)

Lait et produits laitiers - Détermination de la pureté  
des matières grasses laitières par analyse  
chromatographique en phase gazeuse des triglycérides  
(ISO 17678:2019)

Milch und Milcherzeugnisse - Bestimmung der Reinheit  
des Milchfetts durch gaschromatographische  
Triglyceridanalyse (Referenzverfahren) (ISO  
17678:2019)

This European Standard was approved by CEN on 6 March 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## European foreword

This document (EN ISO 17678:2019) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 302 "Milk and milk products - Methods of sampling and analysis" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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

This document supersedes EN ISO 17678:2010.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL  
STANDARD

ISO  
17678  
IDF 202

Second edition  
2019-06

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**Milk and milk products —  
Determination of milk fat purity  
by gas chromatographic analysis of  
triglycerides**

*Lait et produits laitiers — Détermination de la pureté des matières  
grasses laitières par analyse chromatographique en phase gazeuse  
des triglycérides*

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**IDF 202:2019(E)**

## 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document 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.

This second edition cancels and replaces the first edition (ISO 17678 | IDF 202:2010), which has been technically revised. The following changes have been made:

- the Scope has been restricted to exclude milk fat obtained from special feeding practices and from whey;
- the Scope has been extended to include milk fat obtained from cheese showing low lipolysis;
- the Normative references have been updated to reflect the modified scope;
- a method has been added for the fat extraction from cheese;
- the Bibliography has been expanded.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

**IDF (the International Dairy Federation)** is a non-profit private sector organization representing the interests of various stakeholders in dairying at the global level. IDF members are organized in National Committees, which are national associations composed of representatives of dairy-related national interest groups including dairy farmers, dairy processing industry, dairy suppliers, academics and governments/food control authorities.

ISO and IDF collaborate closely on all matters of standardization relating to methods of analysis and sampling for milk and milk products. Since 2001, ISO and IDF jointly publish their International Standards using the logos and reference numbers of both organizations.

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The work was carried out by the Joint ISO/IDF Action Team C23 of the *Standing Committee on Analytical Methods for Composition* under the aegis of its project leader, Mr J. Molkentin (DE).

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