

SLOVENSKI STANDARD SIST EN ISO 17678:2010

01-september-2010

Mleko in mlečni proizvodi - Določevanje čistosti mlečne maščobe s plinsko kromatografsko analizo trigliceridov (referenčna metoda) (ISO 17678:2010)

Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (Reference method) (ISO 17678:2010)

Milch und Milcherzeugnisse - Bestimmung der Reinheit des Milchfetts durch gaschromatographische Triglyceridanalyse (Referenzverfahren) (ISO 17678:2010)

(standards.iteh.ai)
Lait et produits laitiers - Détermination de la pureté des matières grasses du lait par analyse chromatographique en phase gazeuse des triglycérides (Méthode de référence) (ISO 17678:2010)

https://standards.iteh.ai/catalog/standards/sist/8d6d8185-0518-4903-

99ed-59f8b030c706/sist-en-iso-17678-2010

Ta slovenski standard je istoveten z: EN ISO 17678:2010

ICS:

67.100.10 Mleko in predelani mlečni Milk and processed milk proizvodi products

71.040.50 Fizikalnokemijske analitske Physicochemical methods of

metode analysis

SIST EN ISO 17678:2010 en

SIST EN ISO 17678:2010

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17678:2010

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 17678

February 2010

ICS 67.100.99; 67.200.10

English Version

Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (Reference method) (ISO 17678:2010)

Lait et produits laitiers - Détermination de la pureté des matières grasses laitières par analyse chromatographique en phase gazeuse des triglycérides (Méthode de référence) (ISO 17678:2010) Milch und Milcherzeugnisse - Bestimmung der Reinheit des Milchfetts durch gaschromatographische Triglyceridanalyse (Referenzverfahren) (ISO 17678:2010)

This European Standard was approved by CEN on 13 February 2010.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

EN ISO 17678:2010 (E)

Contents	Pag
Foreword	

iTeh STANDARD PREVIEW (standards.iteh.ai)

EN ISO 17678:2010 (E)

Foreword

This document (EN ISO 17678:2010) 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 August 2010, and conflicting national standards shall be withdrawn at the latest by August 2010.

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

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STANEndersement notice VIEW

The text of ISO 17678:2010 has been approved by CEN as an EN ISO 17678:2010 without any modification.

SIST EN ISO 17678:2010

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17678:2010

INTERNATIONAL STANDARD

ISO 17678

IDF 202

First edition 2010-02-15

Milk and milk products — Determination of milk fat purity by gas chromatographic analysis of triglycerides (Reference method)

Lait et produits laitiers — Détermination de la pureté des matières grasses laitières par analyse chromatographique en phase gazeuse des Ttriglycérides (Méthode de référence)

(standards.iteh.ai)



ISO 17678:2010(E) IDF 202:2010(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. Neither the ISO Central Secretariat nor the IDF accepts any liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies and IDF national committees. In the unlikely event that a problem relating to it is found, please inform the ISO Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17678:2010 https://standards.iteh.ai/catalog/standards/sist/8d6d8185-0518-4903-99ed-59f8b030c706/sist-en-iso-17678-2010



COPYRIGHT PROTECTED DOCUMENT

© ISO and IDF 2010

Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO or IDF at the respective address below.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Tel. + 32 2 733 98 88 Fax + 32 2 733 04 13 E-mail info@fil-idf.org Web www.fil-idf.org

International Dairy Federation

Diamant Building • Boulevard Auguste Reyers 80 • B-1030 Brussels

Contents Page

Forew	ord	iv
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Principle	2
5	Reagents	2
6	Apparatus	3
7	Sampling	4
8 8.1 8.2 8.3	Procedure	4 5
9 10	Integration, evaluation and control of the analytical performance	8
10.1 10.2 10.3	Triglyceride composition	10 10
11 11.1 11.2 11.3	Precision SIST EN ISO 17678:2010 Interlaboratory test tandards.itch.ai/catalog/standards/sist/8d6d8185-0518-4903- Repeatability 99ed-59f8b030c706/sist-en-iso-17678-2010 Reproducibility	11
12	Test report	12
Annex	A (normative) Preparation of the packed column	13
Annex	B (informative) Quantification of the foreign fat content	17
Annex	C (informative) Uncertainty of measurement	19
Annex	D (informative) Interlaboratory test	20
Bibliog	graphy	22

ISO 17678:2010(E) IDF 202:2010(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.

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.

ISO 17678 | IDF 202 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. **iTeh STANDARD PREVIEW**

(standards.iteh.ai)

ISO 17678:2010(E) IDF 202:2010(E)

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 on 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.

The main task of Standing Committees is to prepare International Standards. Draft International Standards adopted by the Standing Committees are circulated to the National Committees for endorsement prior to publication as an International Standard. Publication as an International Standard requires approval by at least 50 % of the IDF National Committees casting a vote.

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

ISO 17678 IDF 202 was prepared by the International Dairy Federation (IDF) and Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*. It is being published jointly by IDF and ISO.

All work was carried out by the Joint ISO-IDF Project Group on *Foreign fats* of the Standing Committee on *Analytical methods for composition* under the aegis of its project leader, Dr J. Molkentin (DE).

(standards.iteh.ai)

SIST EN ISO 17678:2010

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 17678:2010