

Milk and milk products - Determination of nitrate and nitrite contents - Part 1: Method using cadmium reduction and spectrometry

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 14673-1:2002 sisaldab Euroopa standardi EN ISO 14673-1:2001 + AC:2002 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 16.05.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on .

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 14673-1:2002 consists of the English text of the European standard EN ISO 14673-1:2001 + AC:2002.

This standard is ratified with the order of Estonian Centre for Standardisation dated 16.05.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text .

The standard is available from Estonian standardisation organisation.

ICS 67.100.01

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ICS 67.100.01

English version

Milk and milk products - Determination of nitrate and nitrite contents - Part 1: Method using cadmium reduction and spectrometry (ISO 14673-1:2001)

Lait et produits laitiers - Détermination des teneurs en nitrates et en nitrites - Partie 1: Méthode par réduction au cadmium et spectrométrie (ISO 14673-1:2001)

Milch und Milchprodukte - Bestimmung des Nitrat- und Nitritgehaltes - Teil 1: Verfahren mit Cadmiumreduktion und Spektrometrie (ISO 14673-1:2001)

This European Standard was approved by CEN on 1 November 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (ISO 14673-1:2001) has been prepared by Technical Committee ISO/TC 34 "Agricultural 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 May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 14673-1:2001 has been approved by CEN as a European Standard without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 14673-1:2001/AC

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English version
Version Française
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Milk and milk products - Determination of nitrate and nitrite contents - Part 1: Method using cadmium reduction and spectrometry (ISO 14673-1:2001)

Lait et produits laitiers - Détermination des teneurs en nitrates et en nitrites - Partie 1: Méthode par réduction au cadmium et spectrométrie (ISO 14673-1:2001)

Milch und Milchprodukte - Bestimmung des Nitrat- und Nitritgehaltes - Teil 1: Verfahren mit Cadmiumreduktion und Spektrometrie (ISO 14673-1:2001)

This corrigendum becomes effective on 24 July 2002 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 24 juillet 2002 pour incorporation dans les trois versions linguistiques officielles de l'EN.

Die Berichtigung tritt am 24. Juli 2002 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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Ref. No. EN ISO 14673-1:2001/AC:2002 D/E/F

English version

Endorsement notice

The text of ISO 14673-1:2001/Cor.1:2002 has been approved by CEN as a European Corrigendum without any modifications.

Version française

Notice d'entérinement

Le texte de l'ISO 14673-1:2001/Cor.1:2002 a été approuvé par le CEN comme Corrigendum européen sans aucune modification.

Deutsche Fassung

Anerkennungsnotiz

Der Text von ISO 14673-1:2001/Cor.1:2002 wurde vom CEN als Europäisches Corrigendum ohne irgendeine Abänderung genehmigt.

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Part 1: Method using cadmium reduction and spectrometry

WARNING — The use of this International Standard may involve hazardous materials, operations and equipment. This standard does not purport to address all the safety problems associated with its use. It is the responsibility of the user of this standard to establish safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This part of ISO 14673|IDF 189 specifies a method for the determination of the nitrate and nitrite contents of milk and milk products by cadmium reduction and spectrometry. The method is applicable to

- whole and partly skimmed and skimmed dried milk;
- hard, semi-hard and soft cheeses;
- processed cheese;
- whey cheese, caseins and caseinates and dried whey.

The method may be performed using automatic equipment, in particular by segmented flow analysis (SFA) or flow injection analysis (FIA), thus reducing cadmium contamination in laboratory work places and waste water.

NOTE These methods are described in ISO 14673-2|IDF 189-2 and ISO 14673-3|IDF 189-3, respectively.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 14673|IDF 189. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 14673|IDF 189 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 565, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*

ISO 648, *Laboratory glassware — One-mark pipettes*

ISO 835-1, *Laboratory glassware — Graduated pipettes — Part 1: General requirements*

ISO 1042, *Laboratory glassware — One-mark volumetric flasks*