



SLOVENSKI STANDARD
SIST EN ISO 14675:2003

01-november-2003

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Milk and milk products - Guidelines for a standardized description of competitive enzyme immunoassays - Determination of aflatoxin M1 content (ISO 14675:2003)

Milch und Milchprodukte - Leitfaden für eine vereinheitlichte Beschreibung kompetitiver Enzym-Immunoassays - Bestimmung des Gehalts an Aflatoxin M1 (ISO 14675:2003)

Lait et produits laitiers - Lignes directrices pour une description normalisée des tests immuno-enzymatiques - Détermination de la teneur en aflatoxine M1 (ISO 14675:2003)

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Ta slovenski standard je istoveten z: EN ISO 14675:2003

ICS:

67.100.10 T | ^ \ [/ 4 Á ! ^ á ^ | æ ä | ^ } ä Milk and processed milk products
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 14675

January 2003

ICS 67.100.10

English version

**Milk and milk products - Guidelines for a standardized
description of competitive enzyme immunoassays -
Determination of aflatoxin M1 content (ISO 14675:2003)**

Lait et produits laitiers - Lignes directrices pour une
description normalisée des tests immuno-enzymatiques -
Détermination de la teneur en aflatoxine M1 (ISO
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Milch und Milchprodukte - Leitfaden für eine vereinheitlichte
Beschreibung kompetitiver Enzym-Immunoassays -
Bestimmung des Gehalts an Aflatoxin M1 (ISO
14675:2003)

This European Standard was approved by CEN on 6 December 2002.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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

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

EN ISO 14675:2003 (E)

CORRECTED 2003-04-30

Foreword

This document (EN ISO 14675:2003) 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 July 2003, and conflicting national standards shall be withdrawn at the latest by July 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 14675:2003 has been approved by CEN as EN ISO 14675:2003 without any modifications.

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INTERNATIONAL
STANDARD

ISO
14675

IDF
186

First edition
2003-01-15

**Milk and milk products — Guidelines for a
standardized description of competitive
enzyme immunoassays — Determination of
aflatoxin M₁ content**

*Lait et produits laitiers — Lignes directrices pour une description
normalisée des tests immuno-enzymatiques — Détermination de la teneur
en aflatoxine M₁*

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Reference numbers
ISO 14675:2003(E)
IDF 186:2003(E)

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ISO 14675:2003(E)
IDF 186:2003(E)

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Printed in Switzerland

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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14675|IDF 186 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF), in collaboration with AOAC International. It is being published jointly by ISO and IDF and separately by AOAC International.

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ISO 14675:2003(E)
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Foreword

IDF (the International Dairy Federation) is a worldwide federation of the dairy sector with a National Committee in every member country. Every National Committee has the right to be represented on the IDF Standing Committees carrying out the technical work. IDF collaborates with ISO and AOAC International 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 National Committees casting a vote.

International Standard ISO 14675|IDF 186 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF), in collaboration with AOAC International. It is being published jointly by ISO and IDF and separately by AOAC International.

All work was carried out by the Joint ISO/IDF/AOAC Action Team, *Organic contaminants*, of the Standing Committee on *Analytical methods for additives and contaminants*, under the aegis of its project leader, Dr E. Märtlbauer (DE).

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Introduction

Proprietary methods such as ELISA methods cannot be described in separate International Standards. Therefore, this International Standard is intended to provide guidelines on basic parameters required for evaluation/validation of competitive enzyme immunoassays for the quantitative determination of aflatoxin M₁ in milk and milk products.

Currently several quantitative immunochemical test formats are commercially available, which all share the basic principles of the competitive enzyme immunoassay. However, since the test format of the 96-well microtitre plate assay is most commonly used for quantitative measurement purposes, the parameters given in this International Standard are specifically adopted to this test format, and may not necessarily apply in full to a different test format.

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