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Dried milk - Determination of moisture content (Reference method)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 5537:2004 sisaldab Euroopa standardi EN ISO 5537:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 5537:2004 consists of the English text of the European standard EN ISO 5537:2004.</p> <p>This document is endorsed on 23.09.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This International Standard specifies a method for the determination of the moisture content of all types of dried milk.</p>	<p>Scope: This International Standard specifies a method for the determination of the moisture content of all types of dried milk.</p>
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ICS 67.100.10

Võtmesõnad:

ICS 67.100.10

English version

Dried milk

Determination of moisture content (Reference method)
(ISO 5537 : 2004)

Lait sec – Détermination du taux
d'humidité – (Méthode de référence)
(ISO 5537 : 2004)

Milchpulver – Bestimmung des
Wassergehaltes (Referenzverfahren)
(ISO 5537 : 2004)

This European Standard was approved by CEN on 2004-05-07.

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.

The European Standards exist 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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Foreword

International Standard

ISO 5537 : 2004 Dried milk – Determination of moisture content (Reference method),

which was prepared by ISO/TC 34 'Agricultural food products' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 302 'Milk and milk products – Methods of sampling and analysis', the Secretariat of which is held by NEN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by December 2004 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 5537 : 2004 was approved by CEN as a European Standard without any modification.

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WARNING — The use of ISO 5537|IDF 26 may involve the use of hazardous materials, operations, and equipment. This standard does not purport to address all the safety risks associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of local regulatory limitations prior to use.

1 Scope

This International Standard specifies a method for the determination of the moisture content of all types of dried milk.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

moisture content

mass fraction of substances determined by the procedure specified in this International Standard

NOTE The moisture content is expressed as a percentage by mass.

3 Principle

A test portion is dried in a drying oven set at 87 °C for 5 h while dry air is passed through the test portion. The loss of mass of the test portion (which is related to the content of “non-chemically bound” water) is determined.

4 Apparatus

Usual laboratory apparatus and, in particular, the following.

4.1 Analytical balance, capable of weighing to the nearest 1 mg, with a readability of 0,1 mg.

4.2 Drying oven, capable of being maintained at 87 °C ± 1 °C throughout the working space, with forced ventilation, thermostatically controlled, with the following equipment (see also Figure A.1).

4.2.1 Metal block, provided with channels of diameter 4,3 mm for holding the columns (4.4) in the drying oven.

4.2.2 Copper tubes, of length 1 500 mm, of internal diameter 2 mm, connected to the metal block in the drying oven.

4.2.3 Constant pressure regulator, provided with restrictors, capable of delivering 33 ml/min of dry air to each column in the drying oven.