

**Milk - Determination of fat content - Gravimetric method
(Reference method)**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1211:2010 sisaldab Euroopa standardi EN ISO 1211:2010 ingliskeelset teksti.

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This Estonian standard EVS-EN ISO 1211:2010 consists of the English text of the European standard EN ISO 1211:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

Milk - Determination of fat content - Gravimetric method (Reference method) (ISO 1211:2010)

Lait - Détermination de la teneur en matière grasse -
Méthode gravimétrique (Méthode de référence) (ISO
1211:2010)

Milch - Bestimmung des Fettgehaltes - Gravimetrisches
Verfahren (Referenzverfahren) (ISO 1211:2010)

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Foreword

This document (EN ISO 1211:2010) 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of an identical text or by endorsement, at the latest by December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.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.

This document supersedes EN ISO 1211:2001.

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Endorsement notice

The text of ISO 1211:2010 has been approved by CEN as a EN ISO 1211:2010 without any modification.

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Milk — Determination of fat content — Gravimetric method (Reference method)

WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This International Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This International Standard specifies the reference method for the determination of the fat content of milk of good physicochemical quality.

The method is applicable to raw cow milk, raw sheep milk, raw goat milk, reduced fat milk, skimmed milk, chemically preserved milk, and processed liquid milk.

It is not applicable when greater accuracy is required for skimmed milk, e.g. to establish the operating efficiency of cream separators.

NOTE ISO 7208^[7] specifies a special method for skimmed milk products.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3889 | IDF 219, *Milk and milk products — Specification of Mojonnier-type fat extraction flasks*

3 Terms and definitions

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

3.1

fat content of milk

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

NOTE The fat content is expressed as a percentage mass fraction.

4 Principle

An ammoniacal ethanolic solution of a test sample is extracted with diethyl ether and light petroleum. The solvents are removed by distillation or evaporation. The mass of the substances extracted is determined.

NOTE This is usually known as the Röse-Gottlieb principle.