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**Animal and vegetable fats and oils -
Determination of refractive index**

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of refractive index

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 6320:2000 sisaldab Euroopa standardi EN ISO 6320:2000 + AC:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.08.2000 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 6320:2000 consists of the English text of the European standard EN ISO 6320:2000 + AC:2006.</p> <p>This document is endorsed on 18.08.2000 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 refractive index of animal and vegetable fats and oils.</p>	<p>Scope: This International Standard specifies a method for the determination of the refractive index of animal and vegetable fats and oils.</p>
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ICS 67.200.10

Võtmesõnad:

ICS 67.200.10

English version

Animal and vegetable fats and oils

Determination of refractive index

(ISO 6320 : 2000)

Corps gras d'origines animale et
végétale – Détermination de l'indice
de réfraction (ISO 6320 : 2000)

Tierische und pflanzliche Fette und
Öle – Bestimmung des Brechungs-
index (ISO 6320 : 2000)

This European Standard was approved by CEN on 2000-03-11.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 6320 : 2000 Animal and vegetable fats and oils – Determination of refractive index,

which was prepared by ISO/TC 34 'Agricultural food products' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 307 'Oilseeds, vegetable and animal fats and oils and their by-products – Methods of sampling and analysis', the Secretariat of which is held by AFNOR, 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 September 2000 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 6320 : 2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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1 Scope

This International Standard specifies a method for the determination of the refractive index of animal and vegetable fats and oils.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document 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 661, *Animal and vegetable fats and oils — Preparation of test sample*.

3 Terms and definitions

For the purposes of this International Standard, the following term and definition apply.

3.1

refractive index (of a medium)

ratio of the velocity of light of a definite wavelength in a vacuum to its velocity in the medium

NOTE 1 In practice, the velocity of light in air is used in place of that in a vacuum and, unless otherwise specified, the selected wavelength is the mean wavelength of the sodium D lines (589,6 nm).

NOTE 2 The refractive index of a given substance varies with the wavelength of the incident light and with temperature. The notation used n_D^t , where t is the temperature in degrees Celsius.

4 Principle

By means of a suitable refractometer, the refractive index of a liquid sample is measured at a specified temperature.

5 Reagents

Use only reagents of recognized analytical grade, and distilled or demineralized water or water of equivalent purity.

5.1 Ethyl laurate, of quality suitable for refractometry, and of known refractive index.