J. L. M. C.

Paper and board intended to come into contact with foodstuffs - Preparation of an organic solvent extract

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN	This Estonian standard EVS-EN
15519:2007 sisaldab Euroopa standardi	15519:2007 consists of the English text of
EN 15519:2007 ingliskeelset teksti.	the European standard EN 15519:2007.
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Käesolev dokument on jõustatud	This document is endorsed on 18.12.2007
18.12.2007 ja selle kohta on avaldatud	with the notification being published in the
teade Eesti standardiorganisatsiooni	official publication of the Estonian national
ametlikus väljaandes.	standardisation organisation.
Standard on kättesaadav Eesti	The standard is available from Estonian
standardiorganisatsioonist.	standardisation organisation.

Käsitlusala: This European Standard specifies a test method for the assessment of substitute tests performed with volatile test media for the determination of migration from paper and board intended to come into contact with fatty foodstuffs at all temperatures and for any period of time. NOTE At the time that this European Standard was prepared, the EU directives for material coming into contact with food required use iso-octane or 95 % v/v aqueous ethanol.	Scope: This European Standard specifies a test method for the assessment of substitute tests performed with volatile test media for the determination of migration from paper and board intended to come into contact with fatty foodstuffs at all temperatures and for any period of time. NOTE At the time that this European Standard was prepared, the EU directives for material coming into contact with food required use iso-octane or 95 % v/v aqueous ethanol.
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ICS 55.040: 67.250

English Version

Paper and board intended to come into contact with foodstuffs -Preparation of an organic solvent extract

Papier et carton destinés à entrer en contact avec les denrées alimentaires - Préparation d'un extrait au solvant organique

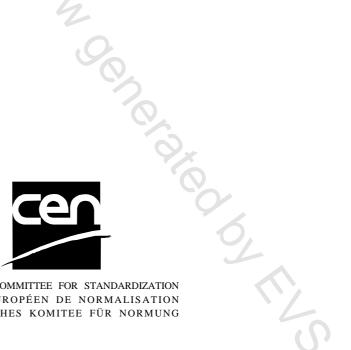
Papier und Pappe vorgesehen für den Kontakt mit Lebensmitteln - Herstellung eines organischen Lösemittelextraktes

This European Standard was approved by CEN on 23 September 2007.

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 CEN 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 CEN Management Centre has the same status as the official versions.

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

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Foreword

This document (EN 15519:2007) has been prepared by Technical Committee CEN/TC 172 "Pulp, paper and board", the secretariat of which is held by DIN.

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 2008, and conflicting national standards shall be withdrawn at the latest by May 2008.

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.

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1 Scope

This European Standard specifies a test method for the assessment of substitute tests performed with volatile test media for the determination of migration from paper and board intended to come into contact with fatty foodstuffs at all temperatures and for any period of time.

NOTE At the time that this European Standard was prepared, the EU directives for material coming into contact with food required use iso-octane or 95 % v/v aqueous ethanol.

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.

EN 1186-1:2002, Materials and articles in contact with foodstuffs — Plastics — Part 1: Guide to the selection of conditions and test methods for overall migration

EN ISO 186, Paper and board — Sampling to determine average quality (ISO 186:2002)

3 Terms and definitions

For the purposes of this document, the following term and definition applies.

solvent extract

filtered solvent solution obtained as a result of the extraction

NOTE In certain instances this extract can contain small amounts of suspended particles.

4 Principle

The sample is cut and extracted with iso-octane or 95 % v/v aqueous ethanol. The conditions used for simulating contact with fatty foodstuffs in general are 2 h at 20 °C for short time simulating contact or 24 h at 20 °C for long time simulating contact. For baking or cooking applications the test conditions to use are 2 h at 60 °C. In special cases other conditions are possible and they shall be stated in the test report. After extraction, the extract, if necessary, has to be filtered. The extract or the filtrate (solvent extract) is used for investigation of the extractives.

NOTE Test times longer than 24 h are not necessary. Test temperatures more than 60 °C are not possible due to the boiling point of the solvents.

5 Materials and equipment

Ordinary laboratory apparatus and:

5.1 Analytical balance, capable of determining a change in mass of 0,01 mg.

5.2 500 ml conical glass flasks, wide neck with ground glass stopper with tap (see ISO 1773).

5.3 Filtration equipment, fritted-glass filter porosity 4 (nom. size 90) with filter flask of 500 ml (see ISO 6556).