

**Paper and board intended for contact
with foodstuffs - Sensory analysis - Part
1: Odour**

Paper and board intended for contact with foodstuffs
- Sensory analysis - Part 1: Odour

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1230-1:2001 sisaldab Euroopa standardi EN 1230-1:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.12.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1230-1:2001 consists of the English text of the European standard EN 1230-1:2001.</p> <p>This document is endorsed on 19.12.2001 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>
--	---

<p>Käsitlusala:</p> <p>This European Standard specifies the test method for assessment of the odour released by a paper or board sample. It is applicable to all kinds of paper and board, including coated and/or printed material, intended to come into direct or indirect contact with foodstuffs. It is not applicable for the determination of consumers' preference.</p>	<p>Scope:</p> <p>This European Standard specifies the test method for assessment of the odour released by a paper or board sample. It is applicable to all kinds of paper and board, including coated and/or printed material, intended to come into direct or indirect contact with foodstuffs. It is not applicable for the determination of consumers' preference.</p>
--	--

ICS 55.040, 67.250, 85.060

Võtmesõnad: analysis, foodstuffs, paper, paperboard, sensory

ICS 55.040; 67.250; 85.060

English version

**Paper and board intended for contact with foodstuffs - Sensory
analysis - Part 1: Odour**

Papier et carton destinés à entrer en contact avec les
denrées alimentaires - Analyse sensorielle - Partie 1:
Odeur

Papier und Pappe vorgesehen für den Kontakt mit
Lebensmitteln - Sensorische Analyse - Teil 1: Geruch

This European Standard was approved by CEN on 30 September 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

Contents

Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	5
4 Principle	5
5 Test panel	5
6 Test conditions	5
7 Equipment.....	6
7.1 General.....	6
7.2 Flat bottom flasks	6
8 Sampling and storage of sample.....	6
9 Preparation of sample	6
10 Procedure	6
11 Evaluation	6
11.1 The test	6
12 Expression of results	7
12.1 Calculation.....	7
12.2 Result	7
13 Test report	7
Annex A (informative) Example of an efficient cleaning procedure.....	8
Bibliography	9

Foreword

This European Standard 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 April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

EN 1230 contains the following parts:

- Part 1: Odour
- Part 2: Off flavour (taint)

Annex A is informative.

This standard includes a Bibliography.

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

Introduction

The purpose of testing paper or board for odour is to establish whether the material to be tested possesses an inherent odour, when kept at room temperature. The test serves for evaluating the sensory quality of paper and board intended for food packaging or otherwise to come into contact with foodstuffs.

NOTE Temperature conditions other than room temperature may be used. In this case the result is not in conformity with this European Standard, which circumstances should be reported together with the result.

In order to give reliable results, this test should be performed by selected assessors.

The result may be influenced by the time elapsed between manufacturing and testing as well as by the storage conditions of the paper or board.

Part 2: "Off flavour (taint)" comprises the corresponding method for the estimation of changes in taste caused by transmission of substances to a test substance.

1 Scope

This European Standard specifies the test method for assessment of the odour released by a paper or board sample. It is applicable to all kinds of paper and board, including coated and/or printed material, intended to come into direct or indirect contact with foodstuffs. It is not applicable for the determination of consumers' preference.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

ISO 5492, *Sensory analysis — Vocabulary*.

ISO 8586-1, *Sensory analysis — General guidance for the selection, training and monitoring of assessors — Part 1: Selected assessors*.

ISO 8589, *Sensory analysis — General guidance for the design of test rooms*.

EN ISO 186, *Paper and board — Sampling to determine average quality (ISO 186:1994)*.