

**Packaging - Complete, filled transport packages and unit loads - Conditioning for testing**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 2233:2002 sisaldab Euroopa standardi EN ISO 2233:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.02.2002 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 2233:2002 consists of the English text of the European standard EN ISO 2233:2001.</p> <p>This document is endorsed on 14.02.2002 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><b>Käsitlusala:</b> This standard specifies a method for the conditioning of complete, filled transport packages and unit loads.</p>	<p><b>Scope:</b> This standard specifies a method for the conditioning of complete, filled transport packages and unit loads.</p>
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ICS 55.180.40

Võtmesõnad:

**English version**

Packaging

**Complete, filled transport packages and unit loads**  
Conditioning for testing  
(ISO 2233 : 2000)

Emballages – Emballages  
d'expédition complets et pleins et  
charges unitaires – Conditionnement  
en vue des essais (ISO 2233 : 2000)

Verpackung – Versandfertige  
Packstücke und Ladeeinheiten –  
Klimatische Vorbehandlung für die  
Prüfung (ISO 2233 : 2000)

This European Standard was approved by CEN on 2001-06-09.

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.

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

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

## Foreword

International Standard

ISO 2233 : 2000 Packaging – Complete, filled transport packages and unit loads – Conditioning for testing, which was prepared by ISO/TC 122 'Packaging' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 261 'Packaging', 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 January 2002 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 2233 : 2000 was approved by CEN as a European Standard without any modification.

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## Introduction

It is the responsibility of the user of this International Standard to establish appropriate health and safety practice in accordance with relevant legislation.

### 1 Scope

This International Standard specifies a method for the conditioning of complete, filled, transport packages and unit loads.

### 2 Term and definition

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

#### 2.1

##### test specimen

a complete, filled transport package or unit load

### 3 Principle

The test specimen is exposed to predetermined atmospheric conditions for a predetermined period of time.

### 4 Atmospheric conditions

One or more of the conditions given in Table 1 shall be selected.

Table 1 — Atmospheric conditions

Condition	Temperature		Relative humidity (RH) %
	°C	K	
1	– 55	218	Not specified
2	– 35	238	Not specified
3	– 18	255	Not specified
4	+ 5	278	85
5	+ 20	293	65
6	+ 20	293	90
7	+ 23	296	50
8	+ 30	303	85
9	+ 30	303	90
10	+ 40	313	Uncontrolled
11	+ 40	313	90
12	+ 55	328	30