

Plastics - Polyamides - Determination of ε-caprolactam and ω-lauro lactam by gas chromatography

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 11337:2004 sisaldab Euroopa standardi EN ISO 11337:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.09.2004 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 11337:2004 consists of the English text of the European standard EN ISO 11337:2004.</p> <p>This document is endorsed on 23.09.2004 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:</p> <p>This International Standard specifies a method for determining ϵ-caprolactam and ϵ-lauro lactam in polyamides by gas chromatography. It is suitable particularly for the determination of ϵ-caprolactam in polyamide 6 and ϵ-lauro lactam in polyamide 12. Bearing in mind that gas chromatography offers a wide range of possible conditions, the method specified is that shown to have been suitable in practice.</p>	<p>Scope:</p> <p>This International Standard specifies a method for determining ϵ-caprolactam and ϵ-lauro lactam in polyamides by gas chromatography. It is suitable particularly for the determination of ϵ-caprolactam in polyamide 6 and ϵ-lauro lactam in polyamide 12. Bearing in mind that gas chromatography offers a wide range of possible conditions, the method specified is that shown to have been suitable in practice.</p>
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Võtmesõnad:

English version

Plastics

Polyamides

Determination of ε -caprolactam and ω -laurolactam
by gas chromatography
(ISO 11337 : 2004)

Plastiques – Polyamides – Détermination du ε -caprolactame et du ω -laurolactame par chromatographie en phase gazeuse (ISO 11337 : 2004)

Kunststoffe – Polyamide – Gaschromatographische Bestimmung von ε -Caprolactam und ω -Lauirolactam (ISO 11337 : 2004)

This European Standard was approved by CEN on 2004-05-13.

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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 11337 : 2004 Plastics – Polyamides – Determination of ε -caprolactam and ω -laurolactam by gas chromatography,

which was prepared by ISO/TC 61 'Plastics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 'Plastics', the Secretariat of which is held by IBN, 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 November 2004 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11337 : 2004 was approved by CEN as a European Standard without any modification.

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WARNING — This International Standard may involve hazardous chemicals, materials or operations. It 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 determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard specifies a method for determining ϵ -caprolactam and ω -laurolactam in polyamides by gas chromatography. It is suitable particularly for the determination of ϵ -caprolactam in polyamide 6 and ω -laurolactam in polyamide 12. Bearing in mind that gas chromatography offers a wide range of possible conditions, the method specified is that shown to have been suitable in practice.

Two variants of the basic method are specified:

- Method A is an extraction method with boiling methanol, and the extract is injected into a gas chromatograph.
- Method B is a method using a solvent, and the solution is injected into a gas chromatograph.

Method A is suitable for the determination of ϵ -caprolactam and method B for ϵ -caprolactam and ω -laurolactam.

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 472, *Plastics — Vocabulary*

ISO 565, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*

3 Terms and definitions

For the purposes for this document, the terms and definitions given in ISO 472 apply.