

SLOVENSKI STANDARD

SIST EN ISO 11337:2011

01-november-2011

Nadomešča:

SIST EN ISO 11337:2004

SIST EN ISO 11337:2004/AC:2009

Polimerni materiali - Poliamidi - Določanje e-kaprolaktama in w-lauro-laktama s plinsko kromatografijo (ISO 11337:2010)

Plastics - Polyamides - Determination of e-caprolactam and w-lauro-lactam by gas chromatography (ISO 11337:2010)

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Kunststoffe - Polyamide - Gaschromatographische Bestimmung von <epsilon>-Caprolactam und <omega>-Lauro-lactam (ISO 11337:2010)

SIST EN ISO 11337:2011

Plastiques - Polyamides - Détermination du e-caprolactame et du w-lauro-lactame par chromatographie en phase gazeuse (ISO 11337:2010)

Ta slovenski standard je istoveten z: **EN ISO 11337:2010**

ICS:

83.080.20 Plastomeri

Thermoplastic materials

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11337

December 2010

ICS 83.080.20

Supersedes EN ISO 11337:2004

English Version

Plastics - Polyamides - Determination of e-caprolactam and w-lauro lactam by gas chromatography (ISO 11337:2010)

Plastiques - Polyamides - Détermination du e-caprolactame et du w-lauro lactame par chromatographie en phase gazeuse (ISO 11337:2010)

Kunststoffe - Polyamide - Gaschromatographische Bestimmung von e-Caprolactam und w-Lauro lactam (ISO 11337:2010)

This European Standard was approved by CEN on 10 December 2010.

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-CENELEC Management Centre or to any CEN member.

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Contents

Page

Foreword.....3

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Foreword

This document (EN ISO 11337:2010) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by June 2011, and conflicting national standards shall be withdrawn at the latest by June 2011.

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.

This document supersedes EN ISO 11337:2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL STANDARD

ISO
11337

Second edition
2010-12-15

Plastics — Polyamides — Determination of ϵ -caprolactam and ω -laurolactam by gas chromatography

*Plastiques — Polyamides — Détermination du ϵ -caprolactame et du
 ω -laurolactame par chromatographie en phase gazeuse*

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Method A: Extraction method	2
4.1 Principle	2
4.2 Reagents	2
4.3 Apparatus and materials.....	2
4.4 Preparation of test sample	4
4.5 Procedure	4
4.6 Expression of results	6
4.7 Precision	6
4.8 Test report.....	6
5 Method B: Dissolution method	7
5.1 Principle	7
5.2 Reagents	7
5.3 Apparatus.....	7
5.4 Preparation of internal-standard solutions.....	9
5.5 Procedure.....	10
5.6 Expression of results	12
5.7 Precision	12
5.8 Test report.....	12

ISO 11337:2010(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11337 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

This second edition cancels and replaces the first edition (ISO 11337:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 11337:2004/Cor.1:2007.

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<https://standards.iteh.ai/catalog/standards/sist/6837b7b6-957d-4374-a480-c776eeffa3c2/sist-en-iso-11337-2011>

Plastics — Polyamides — Determination of ϵ -caprolactam and ω -laurolactam by gas chromatography

SAFETY STATEMENT — Persons using this document should be familiar with normal laboratory practice, if applicable. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory requirements.

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.

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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.