

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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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.

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of an identical text or by endorsement, at the latest by June 2011, and conflicting national standards shall be withdrawn at the latest by June 2011.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

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Endorsement notice

The text of ISO 11337:2010 has been approved by CEN as a EN ISO 11337:2010 without any modification.

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1 Scope

This International Standard specifies a method for determining ϵ -caprolactam and ω -lauro lactam in polyamides by gas chromatography. It is suitable particularly for the determination of ϵ -caprolactam in polyamide 6 and ω -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.

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.

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.