



SLOVENSKI STANDARD

SIST EN ISO 1061:2000

01-maj-2000

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Plastics - Unplasticized cellulose acetate - Determination of free acidity (ISO 1061:1990)

Kunststoffe - Weichmacherfreies Celluloseacetat - Bestimmung der freien Säure (ISO 1061:1990)

Plastiques - Acétate de cellulose non plastifié - Détermination de l'acidité libre (ISO 1061:1990)

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SIST EN ISO 1061:2000
Ta slovenski standard je istoveten z: EN ISO 1061:1999

ICS:

83.080.20 Plastomeri

Thermoplastic materials

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1061

June 1999

ICS 83.080.00

English version

Plastics - Unplasticized cellulose acetate - Determination of free
acidity (ISO 1061:1990)

Plastiques - Acétate de cellulose non plastifié -
Détermination de l'acidité libre (ISO 1061:1990)

Kunststoffe - Weichmacherfreies Celluloseacetat -
Bestimmung der freien Säure (ISO 1061:1990)

This European Standard was approved by CEN on 6 May 1999.

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 Central Secretariat 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 Central Secretariat 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 1061:1999

Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 December 1999, and conflicting national standards shall be withdrawn at the latest by December 1999.

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.

Endorsement notice

The text of the International Standard ISO 1061:1990 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)**Normative references to international publications
with their relevant European publications**

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 585	1990	Plastics - Unplasticized cellulose acetate - Determination of moisture content	EN ISO 585	1999

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INTERNATIONAL STANDARD

ISO
1061

Second edition
1990-11-15

Plastics — Unplasticized cellulose acetate — Determination of free acidity

iTeh STANDARD PREVIEW
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*Plastiques — Acétate de cellulose non plastifié — Détermination de
l'acidité libre*

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Reference number
ISO 1061:1990(E)

ISO 1061:1990(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.

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.

International Standard ISO 1061 was prepared by Technical Committee ISO/TC 61, *Plastics*.

This second edition cancels and replaces the first edition (ISO 1061:1975), of which it constitutes a minor technical revision.

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International Organization for Standardization
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Plastics — Unplasticized cellulose acetate — Determination of free acidity

WARNING — The use of this International Standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard specifies a method for the determination of the amount of free acid in unplasticized cellulose acetate.

The free acidity determined by this method includes acidity extractable by water and acidity due to acidic groups directly attached to the cellulose acetate, e.g. carboxyl groups. The latter is usually a very small proportion of the total.

This method is not suitable for cellulose acetate containing any additives which may affect the test.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 565:1990, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*.

ISO 585:1990¹⁾, *Plastics — Unplasticized cellulose acetate — Determination of moisture content*.

3 Principle

A test portion of cellulose acetate is treated with water and the resultant solution titrated with sodium hydroxide solution.

The free acidity is calculated as the percentage, by mass, of free acetic acid in the cellulose acetate.

4 Reagents

During the determination, use only reagents of recognized analytical grade and distilled water as specified in 4.1.

4.1 Distilled water, freshly boiled to remove carbon dioxide and cooled.

4.2 Sodium hydroxide, standard volumetric solution, $c(\text{NaOH}) = 0,01 \text{ mol/l}$.

4.3 Phenolphthalein, 1 g/l solution in 90 % (V/V) ethanol.

5 Apparatus

5.1 Glass flask, capacity 250 ml or 300 ml, with ground-glass stopper.

5.2 Graduated cylinder, capacity 250 ml, graduated at 2 ml intervals.

1) To be published.