



SLOVENSKI STANDARD SIST EN ISO 1598:2000

01-maj-2000

Določa način določanja vsebnosti neopustljivih delcev v celulozni acetatni plastici. Predpisuje način vzorčenja, priprave vzorca, določanja in izražanja rezultatov. Predpisuje tudi način določanja vsebnosti neopustljivih delcev v celulozni acetatni plastici, ki je izdelana iz odpadnih delcev celulozne acetatne plastice.

Plastics - Cellulose acetate - Determination of insoluble particles (ISO 1598:1990)

Kunststoffe - Celluloseacetat - Bestimmung der unlöslichen Bestandteile (ISO 1598:1990)

Plastiques - Acétate de cellulose - Détermination des particules insolubles (ISO 1598:1990)

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Ta slovenski standard je istoveten z: **EN ISO 1598:1999**

ICS:

83.080.20 Plastomeri Thermoplastic materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1598

June 1999

ICS 83.080.00

English version

Plastics - Cellulose acetate - Determination of insoluble particles
(ISO 1598:1990)

Plastiques - Acétate de cellulose - Détermination des
particules insolubles (ISO 1598:1990)

Kunststoffe - Celluloseacetat - Bestimmung der unlöslichen
Bestandteile (ISO 1598:1990)

This European Standard was approved by CEN on 5 March 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 1598:1999

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 1598:1990 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
1598

Second edition
1990-09-15

Plastics — Cellulose acetate — Determination of insoluble particles

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*Plastiques — Acétate de cellulose — Détermination des particules
insolubles*

[SIST EN ISO 1598:2000](https://standards.iteh.ai/catalog/standards/sist/66140a40-b198-4ebb-90c9-60e6448e0f75/sist-en-iso-1598-2000)

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Reference number
ISO 1598:1990(E)

ISO 1598:1990(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 1598 was prepared by Technical Committee ISO/TC 61, *Plastics*.

This second edition cancels and replaces the first edition (ISO 1598:1975), of which it constitutes a minor revision.

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Plastics — Cellulose acetate — Determination of insoluble particles

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 number of visible particles (including all kinds of contamination and black dirt) in cellulose acetate which are insoluble in a mixture of dimethylphthalate, dichloromethane and methanol, and are of size 0,15 mm or larger.

This method is intended for cellulose acetate having an acetic acid yield above 50 % and containing no additives which affect the test results.

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:—¹⁾, *Plastics — Unplasticized cellulose acetate — Determination of moisture content*.

3 Principle

A solution is prepared by addition of a solvent to the cellulose acetate, and the visible, undissolved particles in this solution, of a size equal to or larger than a standard reference particle of specified size, are counted.

4 Reagents

During the determination, use only reagents of recognized analytical grade, free from insoluble particles.

4.1 Dichloromethane, d_{20}^{20} 1,321 to 1,331, not less than 95 % (V/V) distilling between 39 °C and 40,5 °C at 1 013 mbar (760 mmHg).

SAFETY PRECAUTIONS — Dichloromethane is harmful by inhalation. Avoid contact with the skin.

4.2 Methanol, d_{20}^{20} 0,792 to 0,795, distillation range 64,5 °C to 65,5 °C at a pressure of 1 013 mbar (760 mmHg).

SAFETY PRECAUTIONS — Methanol is highly flammable and toxic by inhalation or if swallowed. Keep the container tightly closed and away from sources of ignition. Do not smoke. Avoid contact with the skin.

4.3 Dimethylphthalate, d_{20}^{20} 1,191 to 1,195, purity more than 99 % (m/m), having a moisture content less than 0,1 % (m/m).

1) To be published. (Revision of ISO 585:1982)