



**SLOVENSKI STANDARD**  
**SIST EN ISO 585:2000**  
**01-maj-2000**

---

Dc`ja Yfb]a Uhf]U]!'BYa Y Ub]UWUUhW'i `cnY!'8c`c Yj Ub^Yj`Uj YfIGC`), ) .% - \$Ł

Plastics - Unplasticized cellulose acetate - Determination of moisture content (ISO 585:1990)

Kunststoffe - Weichmacherfreies Celluloseacetat - Bestimmung des Feuchtegehaltes (ISO 585:1990)

**iTeh STANDARD PREVIEW**

Plastiques - Acétate de cellulose non plastifié - Détermination de l'humidité (ISO 585:1990)

[SIST EN ISO 585:2000](https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957359b392b/sist-en-iso-585-2000)

Ta slovenski standard je istoveten z: **EN ISO 585:1999**

---

**ICS:**

83.080.01	Polimerni materiali na splošno	Plastics in general
83.080.20	Plastomeri	Thermoplastic materials

**SIST EN ISO 585:2000**

**en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 585:2000

<https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 585

May 1999

ICS 83.080.00

English version

Plastics - Unplasticized cellulose acetate - Determination of  
moisture content (ISO 585:1990)

Plastiques - Acétate de cellulose non plastifié -  
Détermination de l'humidité (ISO 585:1990)

Kunststoffe - Weichmacherfreies Celluloseacetat -  
Bestimmung des Feuchtegehaltes (ISO 585:1990)

This European Standard was approved by CEN on 16 April 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.

(standards.iteh.ai)

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.

[SIST EN ISO 585:2000](https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000)

<https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000>



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

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

Page 2  
EN ISO 585:1999

## 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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 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 585:1990 has been approved by CEN as a European Standard without any modification.

[SIST EN ISO 585:2000](https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000)

<https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000>



APPROVATO IN ACCORDO CON  
IL REGOLAMENTO COMUNITARIO  
DEI TIPI DI APPROVAZIONE  
N. 1831/2003  
.....  
ROMA

# INTERNATIONAL STANDARD

**ISO**  
**585**

Second edition  
1990-12-15

---

---

## Plastics — Unplasticized cellulose acetate — Determination of moisture content

**iTeh** *Plastiques — Acétate de cellulose non plastifié — Détermination de l'humidité*  
**STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 585:2000](https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000)

<https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000>



Reference number  
ISO 585 : 1990 (E)

## ISO 585 : 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 585 was prepared by Technical Committee ISO/TC 61, *Plastics*.

This second edition cancels and replaces the first edition (ISO 585:1982), of which it constitutes a minor revision.

iteh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN ISO 585:2000

<https://standards.iteh.ai/catalog/standards/sist/94c77029-344d-4d5c-8fa6-2957339b392b/sist-en-iso-585-2000>

© ISO 1990

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization

Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

# Plastics — Unplasticized cellulose acetate — Determination of moisture content

**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 moisture content of non-plasticized cellulose acetate.

This determination may be required for the calculation of the dry mass of the cellulose acetate used in analytical methods.

This method applies only to cellulose acetate with a moisture content of not more than 10 %.

## 2 Principle

A test portion is dried at 105 °C in a thermostatic oven, then weighed. The moisture content is calculated from the loss of mass of the test portion.

## 3 Apparatus

**3.1 Glass weighing bottle**, low wide form, with a ground-glass lid.

**3.2 Desiccator**, containing anhydrous calcium chloride.

**3.3 Oven**, capable of being maintained at 105 °C ± 2 °C.

**3.4 Balance**, accurate to 1 mg.

## 4 Procedure

**4.1** Dry the weighing bottle and its ground-glass lid (3.1) in the oven (3.3), maintained at 105 °C ± 2 °C, for 1/2 h, cool in the desiccator (3.2) and weigh to the nearest 1 mg.

Weigh approximately 5 g of cellulose acetate, to the nearest 1 mg, into the weighing bottle.

Introduce the weighing bottle containing the test portion, with its lid removed and placed alongside it, into the oven, maintained at 105 °C ± 2 °C and leave it in the oven for 3 h.

Remove the weighing bottle from the oven, cover with its lid, cool in the desiccator and then re-weigh to the nearest 1 mg.

**4.2** Carry out two determinations. If the difference in percentage moisture content between the two is more than 0,1, repeat the test.

## 5 Expression of results

The moisture content, expressed as a percentage by mass, is given by the formula

$$\frac{m_1 - m_2}{m_1} \times 100$$

where

$m_1$  is the mass, in grams, of the test portion before drying;

$m_2$  is the mass, in grams, of the test portion after drying.

Take as the result the mean of two acceptable determinations (see 4.2).

## 6 Precision

The precision of this test method is not known because inter-laboratory data are not available. This method may not be suitable for use in specifications or in case of disputed results as long as these data are not available.

## 7 Test report

The test report shall include the following particulars:

- a reference to this International Standard;
- all details necessary for the complete identification of the product tested, including physical form;
- the percentage moisture content.