



SLOVENSKI STANDARD
SIST EN ISO 4684:2006

01-februar-2006

I gb^Y`E`?Ya] b]`dfYg_i g]`E`8c`c Yj Ub^Y\ `Ud`^j] \ `gbcj]`fGC`(*, (.&\$\$) Ł

Leather - Chemical tests - Determination of volatile matter (ISO 4684:2005)

Leder - Chemische Prüfungen - Bestimmung flüchtiger Substanzen (ISO 4684:2005)

Cuir - Essais chimiques - Détermination des matières volatiles (ISO 4684:2005)

Ta slovenski standard je istoveten z: EN ISO 4684:2005

SIST EN ISO 4684:2006
<https://standards.iteh.ai/catalog/standards/sist/12a2a5eb-881e-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006>

ICS:

59.140.30 Usnje in krzno

Leather and furs

SIST EN ISO 4684:2006

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 4684:2006](#)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 4684

November 2005

ICS 59.140.30

English Version

Leather - Chemical tests - Determination of volatile matter (ISO 4684:2005)

Cuir - Essais chimiques - Détermination des matières volatiles (ISO 4684:2005)

Leder - Chemische Prüfungen - Bestimmung flüchtiger Substanzen (ISO 4684:2005)

This European Standard was approved by CEN on 14 October 2005.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 4684:2006](https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 4684:2005 (E)**Foreword**

This document (EN ISO 4684:2005) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI, in collaboration with the International Union of Leather Technologists and Chemists Societies (IULTCS).

It is based on Method IUC 5 of the International Union of Leather Technologists and Chemists Societies.

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 May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

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

Endorsement notice

The text of ISO 4684:2005 has been approved by CEN as EN ISO 4684:2005 without any modifications.

(standards.iteh.ai)

[SIST EN ISO 4684:2006](https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006>

INTERNATIONAL
STANDARD

ISO
4684

IULTCS/IUC
5

First edition
2005-11-01

**Leather — Chemical tests —
Determination of volatile matter**

Cuir — Essais chimiques — Détermination des matières volatiles

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 4684:2006](https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88f8-41ea-b7e2-c4f8c72a96ec/sist-en-iso-4684-2006)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88f8-41ea-b7e2-c4f8c72a96ec/sist-en-iso-4684-2006>



Reference number
ISO 4684:2005(E)
IULTCS/IUC 5:2005(E)

ISO 4684:2005(E)
IULTCS/IUC 5:2005(E)**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 4684:2006](#)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96ec/sist-en-iso-4684-2006>

© ISO 2005

All rights reserved. Unless otherwise specified, 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 either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 4684 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, in collaboration with the Chemistry Commission of the International Union of Leather Technologists and Chemists Societies (IUC Commission, IULTCS), in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement). It is based on IULTCS method IUC 5.

IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 4684:2006](#)

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96ec/sist-en-iso-4684-2006>

Leather — Chemical tests — Determination of volatile matter

1 Scope

This International Standard specifies a method of determination of volatile matter which is applicable to all leather types.

It is not possible to determine the exact moisture content of leather by this method. This is because at elevated temperatures other volatile substances escape and tannins and fats can be oxidized. Some absorbed water may be left in the leather after drying.

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 2418, *Leather — Chemical, physical and mechanical and fastness tests — Sampling location*

ISO 4044, *Leather — Preparation of chemical test samples*

<https://standards.iteh.ai/catalog/standards/sist/f2a2a3eb-88fe-41ea-b7e2-c4f8c72a96cc/sist-en-iso-4684-2006>

3 Principle

Leather samples are finely ground and dried in an oven at $102\text{ °C} \pm 2\text{ °C}$ to constant mass. The volatile matter is expressed as the ratio of the change in mass of the sample to the initial mass before drying.

4 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

4.1

volatile matter

(leather) loss of mass by leather when dried to constant mass at $102\text{ °C} \pm 2\text{ °C}$, as described in this method

5 Apparatus

Usual laboratory apparatus is required and, in particular, the following.

5.1 **Flat, shallow weighing vessels with ground glass stoppers, or flat open dishes.**

NOTE Small weighing vessels with ground glass stoppers allow more accurate work to be done than do open dishes.

5.2 **Oven**, capable of being maintained at $102\text{ °C} \pm 2\text{ °C}$.

5.3 **Analytical balance**, weighing to an accuracy of 0,001 g.

5.4 **Desiccator**, suitable for cooling the weighing vessels.