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Læder – Kemiske prøvninger – Bestemmelse af fri formaldehyd i hjælpstoffer til læderforarbejdning

Leather – Chemical tests – Determination of free
formaldehyde in process auxiliaries (ISO 27587:2021)



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EUROPÄISCHE NORM

March 2021

ICS 59.140.30

English Version

Leather - Chemical tests - Determination of free formaldehyde in process auxiliaries (ISO 27587:2021)

Cuir - Essais chimiques - Dosage du formaldéhyde libre dans les auxiliaires de traitement (ISO 27587:2021)

Leder - Chemische Prüfungen - Bestimmung des Gehaltes an freiem Formaldehyd in Hilfsmitteln für die Lederherstellung (ISO 27587:2021)

This European Standard was approved by CEN on 18 February 2021.

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European foreword

This document (EN ISO 27587:2021) has been prepared by Technical Committee ISO/IULTCS "International Union of Leather Technologists and Chemists Societies" in collaboration with Technical Committee CEN/TC 289 "Leather" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 27587:2009.

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

Endorsement notice

The text of ISO 27587:2021 has been approved by CEN as EN ISO 27587:2021 without any modification.

DS/EN ISO 27587:2021

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Second edition
2021-02

Leather — Chemical tests — Determination of free formaldehyde in process auxiliaries

*Cuir — Essais chimiques — Dosage du formaldéhyde libre dans les
auxiliaires de traitement*



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by the Chemical Test Commission of the International Union of Leather Technologists and Chemists Societies (IUC Commission, IULTCS), in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, the secretariat of which is held by UNI, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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.

This second edition cancels and replaces the first edition (ISO 27587:2009), which has been technically revised. The main changes to the previous edition are as follows:

- the wording in [5.6](#), [5.7](#), [5.12](#), [7.2](#), [7.3](#), [7.4](#) and [Clause 8](#) has been modified;
- a new [Figure 1](#) has been inserted and the previous Figure 1 changed to [Figure 2](#);
- the recommended HPLC conditions previously in Clause 8 are now given in a new [Annex B](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Leather — Chemical tests — Determination of free formaldehyde in process auxiliaries

1 Scope

This document specifies a method for the determination of free formaldehyde, which is released under dynamic conditions when the sample is heated in an inert dry atmosphere, in process auxiliaries for leather. The analytical result obtained according to this procedure is expressed in milligrams per kilogram (mg/kg) sample.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 3696, *Water for analytical laboratory use — Specification and test methods*