

# SLOVENSKI STANDARD

## SIST EN ISO 1833-22:2021

01-oktober-2021

Nadomešča:

SIST EN ISO 1833-22:2013

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**Tekstilije - Kvantitativna kemična analiza - 22. del: Mešanice viskoznih ali določenih vrst bakrenih ali modalnih ali liocelnih in ploščatih vlaken (metoda z uporabo mravljične kisline in cinkovega klorida) (ISO 1833-22:2020)**

Textiles - Quantitative chemical analysis - Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride) (ISO 1833 22:2020)

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Textilien - Quantitative chemische Analysen - Teil 22: Mischungen aus Viskose oder bestimmten Arten von Cupro-, Modal- oder Lyocellfasern mit Flachsfasern (Ameisensäure-/Zinkchlorid-Verfahren) (ISO 1833-22:2020)

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Textiles - Analyse chimique quantitative - Partie 22: Mélanges de viscose ou de certains types de cupro, modal ou lyocell avec des fibres de lin (méthode à l'acide formique et au chlorure de zinc) (ISO 1833-22:2020)

**Ta slovenski standard je istoveten z: EN ISO 1833-22:2021**

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**ICS:**

59.060.01	Tekstilna vlakna na splošno	Textile fibres in general
71.040.40	Kemijska analiza	Chemical analysis

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**en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 1833-22**

August 2021

ICS 59.060.01

Supersedes EN ISO 1833-22:2013

English Version

**Textiles - Quantitative chemical analysis - Part 22:  
Mixtures of viscose or certain types of cupro or modal or  
lyocell with flax fibres (method using formic acid and zinc  
chloride) (ISO 1833 22:2020)**

Textiles - Analyse chimique quantitative - Partie 22:  
Mélanges de viscose ou de certains types de cupro,  
modal ou lyocell avec des fibres de lin (méthode à  
l'acide formique et au chlorure de zinc) (ISO 1833-  
22:2020)

Textilien - Quantitative chemische Analysen - Teil 22:  
Mischungen aus Viskose oder bestimmten Arten von  
Cupro-, Modal- oder Lyocellfasern mit Flachsfasern  
(Ameisensäure-/Zinkchlorid-Verfahren) (ISO 1833-  
22:2020)

This European Standard was approved by CEN on 14 December 2020.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN ISO 1833-22:2021) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products" the secretariat of which is held by BSI.

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 February 2022, and conflicting national standards shall be withdrawn at the latest by February 2022.

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 1833-22:2013.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN websites.

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## Endorsement notice

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The text of ISO 1833-22:2020 has been approved by CEN as EN ISO 1833-22:2021 without any modification.

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INTERNATIONAL  
STANDARDISO  
1833-22Second edition  
2020-12

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**Textiles — Quantitative chemical  
analysis —**

Part 22:

**Mixtures of viscose or certain types  
of cupro or modal or lyocell with flax  
fibres (method using formic acid and  
zinc chloride)**iTeh STANDARD PREVIEW  
(standards.iteh.ai)*Textiles — Analyse chimique quantitative —*

*Partie 22: Mélanges de viscose ou de certains types de cupro, modal  
ou lyocell avec des fibres de lin (méthode à l'acide formique et au  
chlorure de zinc)*

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## ISO 1833-22:2020(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.

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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 1833-22:2013), which has been technically revised. The main changes compared to the previous edition are as follows:

- the title has been changed from “Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (method using formic acid and zinc chloride)” to “Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride)”;
- the warning has been removed (it is already mentioned in ISO 1833-1);
- **Clause 3** (Terms and definitions) has been added and subsequent clauses have been renumbered;
- in **5.2** (former 4.2), the sodium hydroxide solution has been removed (as listed in ISO 1833-1:2020);
- in **5.2.1**, additional instruction in case of the use of zinc chloride other than fused anhydrous zinc chloride has been added;
- in **6.2** (former 5.2), the pre-treatment procedure has been replaced with a reference to ISO 1833-1:2020, A.5.25;
- in **5.3.2**, the heating temperature of 40 °C has been removed and changed to 70 °C;
- in **6.3**, the testing temperature of 40 °C has been removed and changed to 70 °C, and the neutralisation stage has been detailed;
- in **7.3**, the d-factors for flax has been updated;
- in **Clause 8**, “percentage point” has been added to avoid confusion;