

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 1833-22:2013

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>

EUROPEAN STANDARD

EN ISO 1833-22

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2013

ICS 59.060.01

English Version

Textiles - Quantitative chemical analysis - Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (method using formic acid and zinc chloride) (ISO 1833-22:2013)

Textiles - Analyse chimique quantitative - Partie 22: Mélanges de viscose ou de certains types de cupro, modal ou lyocell et de fibres de lin (méthode à l'acide formique et au chlorure de zinc) (ISO 1833-22:2013)

Textilien - Quantitative chemische Analysen - Teil 22: Mischungen aus Viskose oder bestimmten Arten von Cupro-, Modal- oder Lyocellfasern und Flachsfasern (Ameisensäure-/Zinkchlorid-Verfahren) (ISO 1833-22:2013)

This European Standard was approved by CEN on 2 February 2013.

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.

[SIST EN ISO 1833-22:2013](https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-d42361717171/iso-1833-22:2013)

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

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

[SIST EN ISO 1833-22:2013](https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013)

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>

Foreword

This document (EN ISO 1833-22:2013) 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 September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice
iTeh STANDARD PREVIEW
(standards.iteh.ai)

The text of ISO 1833-22:2013 has been approved by CEN as EN ISO 1833-22:2013 without any modification.

[SIST EN ISO 1833-22:2013](https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013)

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1833-22:2013](#)

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>

INTERNATIONAL
STANDARDISO
1833-22First edition
2013-03-01

**Textiles — Quantitative chemical
analysis —**

Part 22:

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

SIST EN ISO 1833-22:2013

<https://standards.iteh.ai/catalog/standards/sist/4a27e034-5b80-4527-a8e6-bb3f978bb1e/sist-en-iso-1833-22-2013>
*Partie 22: Mélanges de viscose ou de certains types de cupro, modal
ou lyocell et de fibres de lin (méthode à l'acide formique et au
chlorure de zinc)*

Reference number
ISO 1833-22:2013(E)

© ISO 2013

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 1833-22:2013](https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013)

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested 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

Contents

Page

| | |
|--|-----------|
| Foreword | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Principle | 1 |
| 4 Reagents and apparatus | 1 |
| 4.1 General..... | 1 |
| 4.2 Reagent..... | 2 |
| 4.3 Apparatus..... | 2 |
| 5 Test procedure | 2 |
| 5.1 General..... | 2 |
| 5.2 Removal of the non-cellulosic components of the flax fibres..... | 2 |
| 5.3 Dissolution of viscose, cupro, modal or lyocell fibre..... | 3 |
| 6 Calculation and expression of results | 3 |
| 6.1 Calculation of loss in mass during pre-treatment..... | 3 |
| 6.2 Calculation of dry mass of after-transfer mixture corrected to its initial dry mass before pre-treatment..... | 4 |
| 6.3 Calculation of dry masses of viscose or cupro or modal or lyocell and pretreated flax fibres..... | 4 |
| 6.4 Calculation of the percentages of each component with agreed percentage additions for moisture..... | 5 |
| 7 Precision | 5 |
| Annex A (informative) Proficiency results | 6 |
| Bibliography | 10 |

ISO 1833-22:2013(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.

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 1833-22 was prepared by Technical Committee ISO/TC 38, *Textiles*.

ISO 1833 consists of the following parts, under the general title *Textiles — Quantitative chemical analysis*:

- *Part 1: General principles of testing*
- *Part 2: Ternary fibre mixtures*
- *Part 3: Mixtures of acetate and certain other fibres (method using acetone)*
- *Part 4: Mixtures of certain protein and certain other fibres (method using hypochlorite)*
- *Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate)*
- *Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride)*
- *Part 7: Mixtures of polyamide and certain other fibres (method using formic acid)*
- *Part 8: Mixtures of acetate and triacetate fibres (method using acetone)*
- *Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol)*
- *Part 10: Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane)*
- *Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid)*
- *Part 12: Mixtures of acrylic, certain modacrylics certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)*
- *Part 13: Mixtures of certain chlorofibres and certain other fibres (method using carbon disulfide/acetone)*
- *Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid)*
- *Part 15: Mixtures of jute and certain animal fibres (method by determining nitrogen content)*
- *Part 16: Mixtures of polypropylene fibres and certain other fibres (method using xylene)*
- *Part 17: Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid)*
- *Part 18: Mixtures of silk and wool or hair (method using sulfuric acid)*

- *Part 19: Mixtures of cellulose fibres and asbestos (method by heating)*
- *Part 20: Mixtures of elastane and certain other fibres (method using dimethylacetamide)*
- *Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone)*
- *Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (method using formic acid and zinc chloride)*
- *Part 24: Mixtures of polyester and some other fibres (method using phenol and tetrachloroethane)*
- *Part 25: Mixtures of polyester and cotton or aramid fibres (method using trichloroacetic acid and chloroform)*
- *Part 26: Mixtures of melamine and cotton or aramide fibres (method using hot formic acid)*

The following part is cancelled:

- *Part 23: Mixtures of polyethylene and polypropylene (method using cyclohexanone)*

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 1833-22:2013](https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013)

<https://standards.iteh.ai/catalog/standards/sist/4a23ec34-5b80-4527-a8ae-bb3f97f8bb1e/sist-en-iso-1833-22-2013>