

Textiles - Quantitative chemical analysis - Part 28:
Mixtures of chitosan with certain other fibres (method
using diluted acetic acid) (ISO 1833-28:2019)

EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN ISO 1833-28:2020 sisaldab Euroopa standardi EN ISO 1833-28:2020 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 1833-28:2020 consists of the English text of the European standard EN ISO 1833-28:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Textiles - Quantitative chemical analysis - Part 28:
Mixtures of chitosan with certain other fibres (method
using diluted acetic acid) (ISO 1833-28:2019)**

Textiles - Analyse chimique quantitative - Partie 28:
Mélanges de chitosane avec certaines autres fibres
(méthode à l'acide acétique dilué) (ISO 1833-28:2019)

Textilien - Quantitative chemische Analysen - Teil 28:
Mischungen aus Chitosan mit bestimmten anderen
Fasern (Verfahren mit verdünnter Essigsäure) (ISO
1833-28:2019)

This European Standard was approved by CEN on 13 April 2020.

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European foreword

The text of ISO 1833-28:2019 has been prepared by Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 1833-28:2020 by 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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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.

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Endorsement notice

The text of ISO 1833-28:2019 has been approved by CEN as EN ISO 1833-28:2020 without any modification.

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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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This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

A list of all parts in the ISO 1833 series can be found on the ISO website.

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.

Textiles — Quantitative chemical analysis —

Part 28:

Mixtures of chitosan with certain other fibres (method using diluted acetic acid)

1 Scope

This document specifies a method, using diluted acetic acid, to determine the mass percentage of chitosan fibres, after elimination of non-fibrous matter, in textiles made of mixtures of:

— chitosan fibre

with

— certain other fibres.

This method is applicable to fibre mixtures of chitosan fibre with cellulose fibres (cotton, linen, ramie, viscose, modal, lyocell), protein fibres (wool, cashmere, silk), or synthetic fibres (polyester, polyamide, acrylic).

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 1833-1, *Textiles — Quantitative chemical analysis — Part 1: General principles of testing*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

3.1

chitosan fibre

chitin fibre in which at least 55 % acetylated groups have been deacetylated

Note 1 to entry: Chitin as generic name, see ISO 2076.

Note 2 to entry: In the textile industry, the deacetylation degree is generally more than 90 %.

Note 3 to entry: See [Figure 1](#).