

**Textiles - Quantitative chemical analysis - Part 17:
Mixtures of chlorofibres (homopolymers of vinyl
chloride) and certain other fibres (method using sulfuric
acid)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1833-17:2010 sisaldab Euroopa standardi EN ISO 1833-17:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 13.10.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 1833-17:2010 consists of the English text of the European standard EN ISO 1833-17:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.10.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

Textiles - Quantitative chemical analysis - Part 17: Mixtures of
chlorofibres (homopolymers of vinyl chloride) and certain other
fibres (method using sulfuric acid) (ISO 1833-17:2006)

Textiles - Analyse chimique quantitative - Partie 17:
Mélanges de chlorofibres (homopolymères de chlorure de
vinyle) et de certaines autres fibres (méthode à l'acide
sulfurique) (ISO 1833-17:2006)

Textilien - Quantitative chemische Analysen - Teil 17:
Mischungen aus Chlorfasern (Homopolymere des
Vinylchlorids) und bestimmten anderen Fasern
(Schwefelsäure-Verfahren) (ISO 1833-17:2006)

This European Standard was approved by CEN on 12 September 2010.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of ISO 1833-17:2006 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 1833-17:2010 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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Endorsement notice

The text of ISO 1833-17:2006 has been approved by CEN as a EN ISO 1833-17:2010 without any modification.

Textiles — Quantitative chemical analysis —

Part 17:

Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid)

1 Scope

This part of ISO 1833 specifies a method, using sulfuric acid, to determine the percentage of chlorofibres, after removal of non-fibrous material, in textiles made of binary mixtures of

— chlorofibres based on homopolymers of vinyl chloride (after-chlorinated or not)

and

— cotton, viscose, cupro, modal, acetate, triacetate, polyamide, polyester, certain acrylic and certain modacrylic fibres. [The modacrylics concerned are those which give a limpid solution when immersed in concentrated sulfuric acid ($\rho = 1,84 \text{ g/ml}$).]

This method can be used, particularly in place of the methods described in ISO 1833-12 and ISO 1833-13, in all cases where a preliminary test shows that the chlorofibres do not dissolve completely either in dimethylformamide or in the azeotropic mixture of carbon disulfide and acetone.

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

3 Principle

The constituent other than the chlorofibre is dissolved from a known dry mass of the mixture with concentrated sulfuric acid ($\rho = 1,84 \text{ g/ml}$). The residue, consisting of the chlorofibre, is collected, washed, dried and weighed; its mass, corrected if necessary, is expressed as a percentage of the dry mass of the mixture. The percentage of the second constituent is obtained by the difference.

4 Reagents

Use the reagents described in ISO 1833-1 together with those given in 4.1, 4.2 and 4.3.

4.1 Sulfuric acid, concentrated ($\rho = 1,84 \text{ g/ml}$).