

**Textiles - Quantitative chemical analysis - Part 4:
Mixtures of certain protein and certain other fibres
(method using hypochlorite)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1833-4:2010 sisaldab Euroopa standardi EN ISO 1833-4:2010 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 1833-4:2010 consists of the English text of the European standard EN ISO 1833-4:2010.

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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The standard is available from Estonian standardisation organisation.

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English Version

Textiles - Quantitative chemical analysis - Part 4: Mixtures of
certain protein and certain other fibres (method using
hypochlorite) (ISO 1833-4:2006)

Textiles - Analyse chimique quantitative - Partie 4:
Mélanges de certaines fibres protéiniques et de certaines
autres fibres (méthode à l'hypochlorite) (ISO 1833-4:2006)

Textilien - Quantitative chemische Analysen - Teil 4:
Mischungen aus bestimmten Protein- und bestimmten
anderen Fasern (Hypochlorit-Verfahren) (ISO 1833-4:2006)

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of ISO 1833-4:2006 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 1833-4:2010 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.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 1833-4:2006 has been approved by CEN as a EN ISO 1833-4:2010 without any modification.

Textiles — Quantitative chemical analysis —

Part 4:

Mixtures of certain protein and certain other fibres (method using hypochlorite)

1 Scope

This part of ISO 1833 specifies a method, using hypochlorite, to determine the percentage of protein fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of certain non-protein fibres and one protein fibre, as follows:

- wool, chemically-treated wool, other animal-hair fibres, silk, regenerated protein fibres based on casein, and
- cotton, cupro, viscose, modal, acrylic, chlorofibres, polyamide, polyester, polypropylene, glass and elastane.

If several protein fibres are present, the method gives the total of their amounts but not their individual quantities.

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 protein fibre is dissolved out from a known dry mass of the mixture with alkaline sodium hypochlorite. The residue 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 protein fibre is found 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 Sodium hypochlorite, 1 mol/l sodium hypochlorite solution to which has been added a sufficient quantity of sodium hydroxide to bring the concentration of sodium hydroxide to 5 g/l. The solution may be standardized iodometrically but its concentration is not critical within the range 0,9 mol/l to 1,1 mol/l.