

**Textiles - Quantitative chemical analysis - Part 24:
Mixtures of polyester and certain other fibres (method
using phenol and tetrachloroethane) (ISO 1833-24:2010)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1833-24:2011 sisaldab Euroopa standardi EN ISO 1833-24:2011 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.02.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 09.02.2011.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 1833-24:2011 consists of the English text of the European standard EN ISO 1833-24:2011.

This standard is ratified with the order of Estonian Centre for Standardisation dated 28.02.2011 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 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane) (ISO 1833-24:2010)

Textiles - Analyse chimique quantitative - Partie 24:
Mélanges de polyester et de certaines autres fibres
(méthode au phénol et au tétrachloréthane) (ISO 1833-
24:2010)

Textilien - Quantitative chemische Analysen - Teil 24:
Mischungen aus Polyester und bestimmten anderen
Fasern (Phenol-/Tetrachlorethan-Verfahren) (ISO 1833-
24:2010)

This European Standard was approved by CEN on 2 January 2011.

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

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Foreword

The text of ISO 1833-24:2010 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 1833-24:2011 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 August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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Endorsement notice

The text of ISO 1833-24:2010 has been approved by CEN as a EN ISO 1833-24:2011 without any modification.

Textiles — Quantitative chemical analysis —

Part 24:

Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane)

WARNING — This part of ISO 1833 calls for the use of substances/procedures that may be injurious to the health/environment if appropriate conditions are not observed. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety/environment at any stage.

1 Scope

This part of ISO 1833 specifies a method using phenol and tetrachloroethane to determine the percentage of polyester after removal of non-fibrous matter, in textiles made of binary mixtures of certain polyester fibres with acrylic, polypropylene or aramid fibres.

This method is not applicable to coated fabrics.

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 1833-1:2006, *Textiles — Quantitative chemical analysis — Part 1: General principles of testing*

3 Principle

The polyester fibre is dissolved out from a known dry mass of the mixture, with a reagent composed of phenol and tetrachloroethane. 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 polyester is found by difference.

4 Reagents and apparatus

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

4.1 Phenol and tetrachloroethane mixture: the reagent mass ratio is 6:4.

SAFETY PRECAUTIONS — The harmful effects of this reagent shall be borne in mind, and full precautions shall be taken during use. The treatment with this reagent shall be carried out in fume cabinet or hood.

4.2 Ethanol.