

**Textiles - Determination of formaldehyde - Part 2:
Released formaldehyde (vapour absorption method)
(ISO 14184-2:2011)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 14184-2:2011 sisaldab Euroopa standardi EN ISO 14184-2:2011 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

**Textiles - Determination of formaldehyde - Part 2: Released
formaldehyde (vapour absorption method) (ISO 14184-2:2011)**

Textiles - Dosage du formaldéhyde - Partie 2:
Formaldéhyde dégagé (méthode par absorption de vapeur)
(ISO 14184-2:2011)

Textilien - Bestimmung des Gehaltes an Formaldehyd - Teil
2: Freigesetzter Formaldehyd (Wasserdampf-Absorptions-
Verfahren) (ISO 14184-2:2011)

This European Standard was approved by CEN on 14 August 2011.

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Foreword

This document (EN ISO 14184-2:2011) 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of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

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.

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Endorsement notice

The text of ISO 14184-2:2011 has been approved by CEN as a EN ISO 14184-2:2011 without any modification.

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Textiles — Determination of formaldehyde —

Part 2:

Released formaldehyde (vapour absorption method)

WARNING — This part of ISO 14184 calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage. It has been assumed in the drafting of this part of ISO 14184 that the execution of its provisions is entrusted to appropriately qualified and experienced people.

1 Scope

This part of ISO 14184 specifies a method for determining the amount of formaldehyde released under the conditions of accelerated storage from textiles in any form by means of a vapour absorption method.

The procedure is intended for use in the range of releasable formaldehyde on the fabric between 20 mg/kg and 3 500 mg/kg when determined by this method. The lower limit is 20 mg/kg. Below this limit, the result is reported as “not detectable”.

A method for determination of free formaldehyde and formaldehyde extracted partly through hydrolysis in aqueous solution is given in ISO 14184-1.

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 139:2005, *Textiles — Standard atmospheres for conditioning and testing*

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

3 Principle

A weighed fabric specimen is suspended over water in a sealed jar. The jar is placed in an incubator at a controlled temperature for a specified length of time. The amount of formaldehyde absorbed by the water is then determined colorimetrically.

4 Reagents

All reagents shall be of analytical reagent quality.

4.1 Distilled water or grade 3 water complying with ISO 3696.