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Textiles — Quantitative chemical analysis —

Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid)

Textiles — Analyse chimique quantitative —

Partie 26: Mélanges de fibres de mélamine avec certaines autres fibres (méthode à l'acide formique chaud)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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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*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 1833-26:2013) which has been technically revised. The main changes compared to the previous editions are as follows:

— the title has been changed from “Mixtures of melamine and cotton or aramid fibres….” to “Mixtures of melamine with certain other fibres…”;

— the general warning has been moved to ISO 1833-1;

— in Clause 1, polypropylene has been added as remaining fibre;

— in Clause 8, “percentage point” has been added to avoid confusion.

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.

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Textiles — Quantitative chemical analysis —

Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid)

1 Scope

This document specifies a method using hot formic acid to determine the mass percentage of melamine fibres after removal of non-fibrous matter, in textiles made of mixtures of:

— melamine fibres

with

— cotton, polypropylene or aramid fibres.

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

No terms and definitions are listed in this document.

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/

4 Principle

The melamine fibre is dissolved out from a known dry mass of the mixture with hot formic acid (90 % by mass). 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 melamine is obtained by difference.

5 Reagents

5.1 General

Use the reagents described in ISO 1833-1, together with those specified in 5.2 and 5.3.

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