SLOVENSKI STANDARD
SIST EN ISO 21084:2019

01-maj-2019

Tekstilije - Metoda za določevanje alkilfenolov (AP) (ISO 21084:2019)

Textiles - Method for determination of alkylphenols (AP) (ISO 21084:2019)

Textilien - Verfahren zur Bestimmung von Alkylphenolen (AP) (ISO 21084:2019)

Textiles - Méthode de détermination de la teneur en alkylphénols (AP) (ISO 21084:2019)

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59.080.01 Tekstilije na splošno Textiles in general

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English Version

Textiles - Method for determination of alkylphenols (AP) (ISO 21084:2019)

Textiles - Méthode de détermination de la teneur en alkylphénols (AP) (ISO 21084:2019)

Textilien - Verfahren zur Bestimmung von Alkylphenolen (AP) (ISO 21084:2019)

This European Standard was approved by CEN on 8 February 2019.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword

This document (EN ISO 21084:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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INTERNATIONAL STANDARD

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Textiles — Method for determination of alkylphenols (AP)

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Contents

Page

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

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.

Textiles — Method for determination of alkylphenols (AP)

WARNING — This document 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 document specifies the method for the determination of extractable alkylphenols (AP) without derivatization step in textile and textile products.

2 Normative references

There are no normative references in this document.

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 test specimen is cut into small pieces, transferred to a sample vial and treated with methanol in ultrasonic water bath. The extract is filtered and collected. Subsequently, the collected extract is analysed by gas chromatograph with mass selective detector (GC-MS), liquid chromatograph with mass selective detector (LC-MS) or liquid chromatograph with fluorescence detector (LC-FLD).

5 Reagents

Unless otherwise specified, analytical grade chemicals shall be used.

5.1 4-n-Octylphenol, CAS No.1806-26-4.

5.2 4-tert-Octylphenol, CAS No.140-66-9.

5.3 4-n-Nonylphenol, CAS No.104-40-5.

5.4 4-Nonylphenol, CAS No. 84852-15-3.

5.5 Methanol, (HPLC grade).

5.6 Acetone.

5.7 Acetonitrile, (HPLC grade).