

<b>STN</b>	<b>Textílie</b> <b>Metóda na detekciu a stanovenie</b> <b>alkylfenol-etoxylátov (APEO)</b> <b>Časť 2: Metóda NPLC (ISO 18254-2: 2018)</b>	<b>STN</b> <b>EN ISO 18254-2</b>  80 0076
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Textiles - Method for the detection and determination of alkylphenol ethoxylates (APEO) - Part 2: Method using NPLC (ISO 18254-2:2018)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/19

Obsahuje: EN ISO 18254-2:2019, ISO 18254-2:2018

**129565**

EUROPEAN STANDARD

**EN ISO 18254-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2019

ICS 59.080.01

English Version

**Textiles - Method for the detection and determination of  
alkylphenol ethoxylates (APEO) - Part 2: Method using  
NPLC (ISO 18254-2:2018)**

Textiles - Méthode de détection et de détermination  
des alkylphénols éthoxylés (APEO) - Partie 2: Méthode  
utilisant la CLPN (ISO 18254-2:2018)

Textilien - Verfahren zum Nachweis und zur  
Bestimmung von Alkylphenoethoxylaten (APEO) - Teil  
2: Verfahren unter Verwendung von NPLC (ISO 18254-  
2:2018)

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## **European foreword**

This document (EN ISO 18254-2:2019) 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of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.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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## **Endorsement notice**

The text of ISO 18254-2:2018 has been approved by CEN as EN ISO 18254-2:2019 without any modification.

# INTERNATIONAL STANDARD

**ISO**  
**18254-2**

First edition  
2018-12

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## **Textiles — Method for the detection and determination of alkylphenol ethoxylates (APEO) —**

### **Part 2: Method using NPLC**

*Textiles — Méthode de détection et de détermination des alkylphénols  
éthoxylés (APEO) —*

*Partie 2: Méthode utilisant la CLPN*



Reference number  
ISO 18254-2:2018(E)

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Published in Switzerland

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## ISO 18254-2:2018(E)

### 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](http://www.iso.org/directives)).

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

A list of all parts in the ISO 18254 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](http://www.iso.org/members.html).



## Introduction

This document specifies the normal phase liquid chromatography (NPLC) separation method for the quantitative and qualitative analysis of extractable alkylphenol ethoxylates (APEO) in textile and textile products. NPLC separation method enables alkylphenol ethoxylates to be analysed by high performance liquid chromatograph (HPLC) with Mass Spectrometer (MS), fluorescence detector (FD), charged aerosol detector (CAD) and evaporative light scattering detector (ELSD).

A study of the contribution percentage (mole fraction) of APEO congeners is presented in [Annex D](#).

# Textiles — Method for the detection and determination of alkylphenol ethoxylates (APEO) —

## Part 2: Method using NPLC

**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 normal phase liquid chromatography (NPLC) separation method for the qualitative and quantitative analysis of extractable alkylphenol ethoxylates (APEO) in textiles and textile products.

This method provides several instrument options for the determination of alkylphenol ethoxylates (APEO) such as normal phase liquid chromatograph with mass spectrometer (NPLC/MS), normal phase liquid chromatograph with fluorescence detector (NPLC/FLD), normal phase liquid chromatograph with charged aerosol detector (NPLC/CAD) and normal phase liquid chromatograph with evaporative light scattering detector (NPLC/ELSD).

### 2 Normative references

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**