

**SLOVENSKI STANDARD
SIST EN ISO 16190:2022****01-januar-2022****Nadomešča:****SIST-TS CEN ISO/TS 16190:2014**

Obutev - Kritične snovi, ki so lahko v obutvi in delih obutve - Preskusna metoda za kvantitativno ugotavljanje policikličnih aromatskih ogljikovodikov (PAH) v obutvenih materialih (ISO 16190:2021)

Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAHs) in footwear materials (ISO 16190:2021)

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Schuhe - Möglicherweise in Schuhen und Schuhbestandteilen vorhandene kritische Substanzen - Prüfverfahren zur quantitativen Bestimmung polyzyklischer aromatischer Kohlenwasserstoffe (PAK) in Schuhwerkstoffen (ISO 16190:2021)

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Chaussures - Substances critiques potentiellement présentes dans les chaussures et les composants de chaussures - Méthode d'essai pour déterminer quantitativement les hydrocarbures aromatiques polycycliques (HAP) dans les matériaux de chaussures (ISO 16190:2021)

Ta slovenski standard je istoveten z: EN ISO 16190:2021

ICS:

61.060

Obuvala

Footwear

SIST EN ISO 16190:2022**en,fr,de**

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EUROPEAN STANDARD

EN ISO 16190

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2021

ICS 61.060

Supersedes CEN ISO/TS 16190:2013

English Version

Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAHs) in footwear materials (ISO 16190:2021)

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This European Standard was approved by CEN on 7 November 2021.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

Contents	Page
European foreword.....	3

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[SIST EN ISO 16190:2022](https://standards.iteh.ai/catalog/standards/sist/12607f0a-61fd-4275-b592-7c2172de772c/sist-en-iso-16190-2022)
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European foreword

This document (EN ISO 16190:2021) has been prepared by Technical Committee ISO/TC 216 "Footwear" in collaboration with Technical Committee CEN/TC 309 "Footwear" the secretariat of which is held by UNE.

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 May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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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The text of ISO 16190:2021 has been approved by CEN as EN ISO 16190:2021 without any modification.

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INTERNATIONAL
STANDARD

ISO
16190

First edition
2021-11

**Footwear — Critical substances
potentially present in footwear and
footwear components — Test method
to quantitatively determine polycyclic
aromatic hydrocarbons (PAHs) in
footwear materials**

iTeh STANDARD PREVIEW

(standard preview)

Chaussures — Substances critiques potentiellement présentes dans les chaussures et les composants de chaussures — Méthode d'essai pour déterminer quantitativement les hydrocarbures aromatiques polycycliques (HAP) dans les matériaux de chaussures

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
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Contents	Page
Foreword	iv
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Reagents	1
6 Apparatus	5
7 Sample preparation	5
8 Procedure	5
8.1 Extraction.....	5
8.2 Optional: Solid-phase extraction (SPE) clean-up.....	6
8.3 Determination by GC-MS or GC-MS/MS.....	6
9 Expression of results	6
9.1 Determination of the PAH content.....	6
9.1.1 For each PAH.....	6
9.1.2 When a sum of PAHs is requested.....	6
9.2 Performance of the test method.....	7
10 Test report	7
Annex A (informative) Examples of chromatographic conditions for GC-MS and GC-MS/MS	8
Bibliography	11

ISO 16190:2021(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).

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This document was prepared by Technical Committee ISO/TC 216, *Footwear*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 309, *Footwear*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition cancels and replaces the first edition Technical Specification (ISO/TS 16190:2013), which has been technically revised. The main changes compared with the previous edition are as follows:

- the Introduction has been added;
- in the Scope, editorial changes have been made and a note has been added;
- the Normative references have been updated;
- [Clause 3](#) “Terms and definitions” has been added and the following clauses have been renumbered;
- [Clause 5](#) “Reagents” has been renamed and major technical changes have been made;
- [Clause 6](#) “Apparatus” has been renamed, further equipment has been added and further minor technical changes have been made;
- [Clause 7](#) “Sample preparation” has been added, which has been mainly taken from ISO/TS 16190:2013, 6.2, and the following clauses have been renumbered;
- in [Clause 8](#) “Procedure”, major technical changes and editorial changes have been made;
- [Clause 9](#) “Expression of results” has been renamed and subclause headings have been added;
- [9.1.2](#) “When a sum of PAH is requested” has been added;
- in [9.2](#) “Performance of the test method”, the limit of quantification has been changed;
- in [Clause 10 g](#)), the option to state a sum of PAH has been added;

— [Annex A](#) has been added.

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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