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STN	**Obuv a dielce obuvi Kvantitatívna skúšobná metóda na posúdenie antifungálnej aktivity (ISO 20150: 2019)**	**STN EN ISO 20150** 79 5908

Footwear and footwear components - Quantitative challenge test method to assess antifungal activity (ISO 20150:2019)

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. 06/19

Obsahuje: EN ISO 20150:2019, ISO 20150:2019

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 20150

February 2019

ICS 61.060

English Version

Footwear and footwear components - Quantitative challenge test method to assess antifungal activity (ISO 20150:2019)

Chaussures et composants de chaussure - Méthode de test d'épreuve quantitatif pour évaluer l'activité antifongique (ISO 20150:2019)

Schuhe und Schuhbestandteile - Quantitatives Challengetestverfahren zur Bestimmung der antimykotischen Wirksamkeit (ISO 20150:2019)

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European foreword

This document (EN ISO 20150:2019) 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of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

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Endorsement notice

The text of ISO 20150:2019 has been approved by CEN as EN ISO 20150:2019 without any modification.

INTERNATIONAL STANDARD

ISO 20150

First edition
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Footwear and footwear components — Quantitative challenge test method to assess antifungal activity

Chaussures et composants de chaussure — Méthode de test d'épreuve quantitatif pour évaluer l'activité antifongique

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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*.

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.

INTERNATIONAL STANDARD **ISO 20150:2019(E)**

Footwear and footwear components — Quantitative challenge test method to assess antifungal activity

CAUTION — Test methods specified herein require the use of micro-fungi. These tests are only to be carried out in facilities with containment techniques for handling microorganisms and by persons with training and experience in the use of microbiological techniques.

1 Scope

This document specifies quantitative challenge test methods for evaluating the antifungal activity of footwear and footwear components.

This document is applicable only to footwear and components that claim to have antifungal (antimycotic) properties or antimicrobial properties.

Two methods can be applied. The choice of method depends on the material properties and test microorganisms. Dynamic challenge test method can be applied to all types of materials. For single absorbent materials, static challenge test method is recommended. Brief descriptions of each method are given in 11.2 and 11.3.

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 7218, *Microbiology of food and animal feeding stuffs — General requirements and guidance for microbiological examinations*

ISO 19952, *Footwear — Vocabulary*

