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Footwear and footwear components — Qualitative test method to assess antifungal activity (growth test)

Chaussures et composants de chaussures — Méthode d'essai qualitative pour évaluer l'activité antifongique (essai de croissance)

Reference number
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Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Principle ... **2**

5 Safety ... **2**

6 Apparatus ... **2**

7 Reagents and culture medium ... **3**
7.1 General ... 3
7.2 Water ... 3
7.3 Malt Extract Agar (MEA) medium ... 3
7.3.1 Composition ... 3
7.3.2 Preparation ... 3
7.4 Physiological saline (sodium chloride solution) ... 4
7.4.1 Composition ... 4
7.4.2 Preparation ... 4
7.5 Wetting agent (nonionic surfactant) ... 4
7.6 Buffer solution ... 4
7.6.1 Buffer stock ... 4
7.6.2 Preparation of buffer stock ... 4
7.6.3 Preparation of buffer solution ... 4

8 Test microorganisms ... **4**

9 Preparation of test spore suspension ... **5**

10 Preparation of test specimens ... **6**
10.1 General ... 6
10.2 Test and control specimens ... 6
10.3 Pre-treatment of test and control specimens ... 6

11 Test procedure ... **7**
11.1 Inoculation of solidified agar plates ... 7
11.2 Arrangement of test and control specimens ... 7
11.3 Inoculation of test and control specimens ... 7
11.4 Incubation ... 7
11.5 Viability control of the spores ... 7
11.6 Assessment of micro-fungal growth ... 7

12 Expression of results ... **8**

13 Test report ... **8**

Bibliography ... **10**

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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.

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Footwear and footwear components — Qualitative test method to assess antifungal activity (growth test)

CAUTION — Test methods specified herein require the use of micro-fungi. These tests shall only 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 a test method (growth test) for the qualitative evaluation of the antifungal activity of footwear and footwear components exposed to the action of filamentous micro-fungi.

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

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 11133, *Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media*

ISO 16187, *Footwear and footwear components — Test method to assess antibacterial activity*

ISO 19952, *Footwear — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 19952 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
antifungal activity
antimycotic activity
efficacy of a material or finish used to prevent or mitigate the growth of micro-fungi, to reduce the number of micro-fungi or to kill micro-fungi

3.2
control specimen
material identical to the test material but without antifungal treatment

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