# **EESTI STANDARD**

Footwear - Chemical tests - General principles on the J2 Concerter of the other of th preparation of samples (ISO 21061:2021)



## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 21061:2021 sisaldab Euroopa standardi EN ISO 21061:2021 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 21061:2021 consists of the English text of the European standard EN ISO 21061:2021.		
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is		
kättesaadavaks 01.12.2021.	01.12.2021.		
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ICS 61.060

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# **EUROPEAN STANDARD** NORME EUROPÉENNE **EUROPÄISCHE NORM**

## **EN ISO 21061**

December 2021

ICS 61.060

**English Version** 

## Footwear - Chemical tests - General principles on the preparation of samples (ISO 21061:2021)

Chaussures - Essais chimiques - Principes généraux relatifs à la préparation des échantillons (ISO 21061:2021)

Schuhe - Chemische Tests - Allgemeine Grundsätze für die Vorbereitung von Proben (ISO 21061:2021)

This European Standard was approved by CEN on 12 September 2021.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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

## **European foreword**

This document (EN ISO 21061:2021) 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of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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## **Endorsement notice**

The text of ISO 21061:2021 has been approved by CEN as EN ISO 21061:2021 without any modification.

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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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For an explanation of 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 www.iso.org/iso/foreword.html.

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).

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 <u>www.iso.org/members.html</u>.

## Introduction

With the development of society and the improvement of people's living standards, the chemical safety of footwear has widely gained attention. As more critical substance in footwear and footwear components are needed, many chemical test methods for critical substances have been developed.

However, there lacks a unified sample preparation method for chemical tests. Due to the complex materials and structures used in footwear and the different ways in which critical substances exist, the sample taken from footwear is often not sufficiently homogeneous to give a representative test specimen. It is thus very difficult to develop a single technique of sampling that can be used in all circumstances. However, if every material in an article of footwear were tested, it would be a large amount of work and yield a large test fee. As an example, see Table 1, a common article of footwear can cut into over 10 kinds of test specimen when carrying out tests for one chemical. So, a sampling method is needed urgently to provide general rules for preparation of samples, which can reduce and even prevent the inconsistency of sampling procedures between different laboratories and which can ši tis on one tien on one one on other tien on one of the other tien on one of the other tien on one of the other tien o provide a guarantee for the stability of test results.

# Footwear — Chemical tests — General principles on the preparation of samples

## 1 Scope

This document specifies a range of procedures for the sample preparation of footwear and footwear components to carry out chemical tests. It further specifies how to designate the samples.

The sampling procedures specified are designed to allow concurrent chemical testing for footwear

This document is applicable to all types of footwear and footwear components.

## 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 4044, Leather — Chemical tests — Preparation of chemical test samples

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 <u>https://www.iso.org/obp</u>
- IEC Electropedia: available at <u>https://www.electropedia.org/</u>

#### 3.1

#### component in contact with the skin

component closely in contact with foot or leg skin during wearing

Note 1 to entry: Foot (leg) skin hose includes sock, stocking, tights, etc.

Note 2 to entry: If a footwear has no lining, the inside of upper should be taken as lining and regarded as component in contact with the skin.

EXAMPLE Linings, tongues, insoles and insocks are components in contact with the skin.

#### 3.2

#### accessory

indispensable visible component that has a technical function in the footwear construction

EXAMPLE Fasteners, zipper, laces.

#### 3.3

#### decorative attachment

component with no functional property and usually designed for aesthetic purpose

Note 1 to entry: See <u>Figure 1</u>.