



**SLOVENSKI STANDARD  
SIST EN ISO 21061:2022**

**01-februar-2022**

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**Obutev - Kemijski preskusi - Splošna načela za pripravo vzorcev (ISO 21061:2021)**

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

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

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

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**Ta slovenski standard je istoveten z: EN ISO 21061:2021**

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**ICS:**

61.060      Obuvala      Footwear

**SIST EN ISO 21061:2022**

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EUROPEAN STANDARD

EN ISO 21061

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EUROPÄISCHE NORM

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

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## 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of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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

*Chaussures — Essais chimiques — Principes généraux relatifs à la  
préparation des échantillons*

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## ISO 21061:2021(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](http://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).

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

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 provide a guarantee for the stability of test results.

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