

STN	Obuv Chemické skúšky Všeobecné princípy na prípravu vzoriek (ISO 21061: 2021)	STN EN ISO 21061 79 5904
------------	--	--

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

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. 02/22

Obsahuje: EN ISO 21061:2021, ISO 21061:2021

EUROPEAN STANDARD

EN ISO 21061

NORME EUROPÉENNE

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.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

EN ISO 21061:2021 (E)

Contents	Page
European foreword.....	3

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.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

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

**INTERNATIONAL
STANDARD**

**ISO
21061**

First edition
2021-11

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

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



Reference number
ISO 21061:2021(E)

© ISO 2021

ISO 21061:2021(E)**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Designation system	2
4.1 General.....	2
4.2 Component part designation.....	3
4.3 Colour designation.....	3
4.4 Material classification designation.....	3
4.5 Useful information designation.....	3
5 Preparation of samples	7
5.1 General.....	7
5.2 Photo and identification of material classification.....	7
5.3 Disassembling of footwear.....	7
5.4 Testing schedule.....	7
5.5 Sampling.....	8
5.6 Storage and conditioning.....	8
Annex A (normative) Colour designation	9
Annex B (normative) Procedure for preparation of samples	10
Annex C (normative) Materials used in the footwear industry	11
Bibliography	17

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 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.

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*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN