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Personal protective equipment - Test methods for sunglasses and related eyewear (ISO 12311:2023)

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. 02/24

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EUROPEAN STANDARD

EN ISO 12311

NORME EUROPÉENNE

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English Version

Personal protective equipment - Test methods for sunglasses and related eyewear (ISO 12311:2023)

Équipement de protection individuelle - Méthodes d'essai pour lunettes de soleil et articles de lunetterie associés (ISO 12311:2023)

Persönliche Schutzausrüstung - Prüfverfahren für Sonnenbrillen und ähnlichen Augenschutz (ISO 12311:2023)

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EN ISO 12311:2023 (E)

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European foreword

This document (EN ISO 12311:2023) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 85 "Eye protective equipment" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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.

This document supersedes EN ISO 12311:2013.

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Endorsement notice

The text of ISO 12311:2023 has been approved by CEN as EN ISO 12311:2023 without any modification.

INTERNATIONAL STANDARD

ISO 12311

Second edition
2023-12

Personal protective equipment — Test methods for sunglasses and related eyewear

*Équipement de protection individuelle — Méthodes d'essai pour
lunettes de soleil et articles de lunetterie associés*



Reference number
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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 document 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 94 *Personal safety — Personal protective equipment*, Subcommittee SC 6 *Eye and face protection*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 85, *Eye-protective equipment*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 12311:2013), which has been technically revised.

The main changes are as follows:

- with the publication of the four parts of ISO 18526 in 2020, which provides test methods and specifications for head forms for the compliance testing of eye protectors, it was deemed unnecessary to reproduce details of these test methods in ISO 12311. They have therefore been removed. Test methods that have been retained in this document are those developed originally for testing of spectacle frames, that cannot be found in ISO 18526-3. Corresponding Annexes that supplemented the now deleted test methods have also been removed.

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.

Personal protective equipment — Test methods for sunglasses and related eyewear

1 Scope

This document specifies reference's test methods for determining the properties of sunglasses given in ISO 12312 (all parts). It is applicable to all sunglasses and related eyewear.

Other test methods can be used if proven to be equivalent.

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 1042, *Laboratory glassware — One-mark volumetric flasks*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 4007, *Personal protective equipment — Eye and face protection — Vocabulary*

ISO 8624, *Ophthalmic optics — Spectacle frames — Measuring system and vocabulary*

ISO/IEC Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

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