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Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses

Optique ophtalmique — Verres de lunettes — Exigences fondamentales relatives aux verres finis non détourés

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Foreword

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics,* Subcommittee SC 7, *Ophthalmic optics and instruments*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 170, *Ophthalmic optics,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 14889:2013), which has been technically revised. It also incorporates the Amendment ISO 14889:2013/Amd.1:2017.

The main changes are as follows:

— dated reference and titles have been brought up-to-date;

— editorial update of the whole document;

— Figure 1 has been updated;

— Terminology has been changed from "inflammability" to "resistance to ignition".

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Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses

1 Scope

This document specifies fundamental requirements for uncut finished spectacle lenses. This document is not applicable to protective spectacle lenses.

This document takes precedence over the corresponding requirements of other standards, if differences exist.

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 8980-1, *Ophthalmic optics — Uncut finished spectacle lenses — Part 1: Specifications for single-vision and multifocal lenses*

ISO 8980-2, *Ophthalmic optics — Uncut finished spectacle lenses — Part 2: Specifications for power-variation lenses*

ISO 8980-3:2022, *Ophthalmic optics — Uncut finished spectacle lenses — Part 3: Transmittance specifications and test methods*

ISO 8980-4, *Ophthalmic optics — Uncut finished spectacle lenses — Part 4: Specifications and test methods for anti-reflective coatings*

ISO 13666, *Ophthalmic optics — Spectacle lenses — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 13666 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
manufacturer
<of an uncut finished spectacle lens> natural or legal person who places the uncut finished lens on the market

4 Fundamental requirements for spectacle lenses

4.1 Performance

In addition to the requirements specified in this document, uncut finished lenses shall comply with the relevant clauses of ISO 8980-1, ISO 8980-2, ISO 8980-3 and ISO 8980-4.

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