

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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**भारतीय मानक मसौदा**

**नेत्र-सम्बन्धी प्रकाशिकी - चश्मे के अपरिष्कृत अविच्छिन्न लेंस - भाग 3 संचरण विशिष्टी  
एवं परीक्षण विधि  
(ISO 8980-3:2022)**

***Draft Indian Standard***

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

[ICS 11.040.70]

Ophthalmic Instruments and Appliances Sectional Committee,  
MHD 05

Last Date for Comments:  
26 May 2024

**NATIONAL FOREWORD**

*(Adoption clause will be added later)*

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated

<i>International Standard</i>	<i>Corresponding Standard</i>	<i>Degree of Equivalence</i>
ISO 13666:2019, Ophthalmic optics — Spectacle lenses — Vocabulary	MHD/05/25337 Ophthalmic optics — Spectacle lenses — Vocabulary	Identical

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 11664-1	Colorimetry — Part 1: CIE standard colorimetric observers
ISO 11664-2	Colorimetry — Part 2: CIE standard illuminant
ISO 14889	Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses

This standard also makes a reference to the BIS Certification Marking of the product. Details of which is given in National Annex A

**NATIONAL ANNEX A**  
(National Foreword)

**A-1 BIS CERTIFICATION MARKING**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the BIS Act, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

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**Note:** The technical content of the document has not been included as it is identical with the corresponding ISO standard. For details, please refer to ISO 8980-3:2022 or kindly contact:

**Head (MHD)**  
**Bureau of Indian Standards**  
**Manak Bhawan**  
**9, Bahadur Shah Zafar Marg**  
**New Delhi-110002**  
**Email: [hmhd@bis.gov.in](mailto:hmhd@bis.gov.in); [mhd@bis.gov.in](mailto:mhd@bis.gov.in)**

**Scope:**

This document specifies requirements for the transmittance properties of uncut and unmounted finished spectacle lenses, including attenuation of solar radiation.

This document is not applicable to

- spectacle lenses having specific transmittance or absorption characteristics prescribed for medical reasons,
- products to which specific personal protective equipment transmittance standards apply, and
- products intended for direct observation of the sun, such as for solar-eclipse viewing.

NOTE 1 By reference to ISO 21987 and ISO 14889, this document also applies to lenses mounted in spectacles.

NOTE 2 Optical and geometric requirements are given for uncut finished spectacle lenses in ISO 8980-1 and ISO 8980-2, and for mounted lenses, in ISO 21987.