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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 38005-2019

Spectacle lenses - Fundamental requirements for uncut finished lenses

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the basic requirements of ISO 14889.2013 "Ophthalmic optical glasses lenses uncut side lenses"

begging".

The technical differences between this standard and ISO 14889.2013 and their reasons are as follows.

---About the normative reference documents, this standard has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory Citations", and the specific adjustments are as follows.

* Replace ISO 8980-1 with GB 10810.1 modified to international standards (see 4.1);

* Replace ISO 8980-2 with GB 10810.2 modified to international standards (see 4.1);

* Replaced ISO 8980-3.2013 with GB 10810.3 modified to international standards (see 4.1 and 4.5);

* Replace ISO 8980-4 with GB 10810.4 modified to international standards (see 4.1);

* Added reference to GB 10810.5 (see 4.1).

---4.4 Remove "mechanical strength" and increase "impact resistance".

---5.2 delete the "mechanical strength test method" and Figure 1 "minimum strength test equipment", increase the "impact resistance test method".

--- Added Table 1 "Light transmittance classification and transmittance tolerance in the ultraviolet spectrum range".

This standard also made the following editorial changes.

--- Modified the standard name;

---Incorporate the contents of the ISO 14889.2013/Amd.1.2017 amendment, the provisions of these amendments have been passed on the outside

The vertical double line (||) of the margin position is marked;

--- Chapter 4 title "Basic requirements for spectacle lenses" was changed to "Technical requirements";

--- Amend the reference to ISO 6.1 and 6.2 of ISO 8980.3.2013 in 4.5.2 to refer to the specific content directly in this standard (see

4.5);

--- Deleted the description of "the methods described in this standard are type tests" (ISO 14889. 5.1 of.2013);

--- Modify 6.2a) "Spectral Transmittance" to "Spectral Transmittance and/or Coloration Description and/or Light Transmittance Classification".

This standard is proposed and managed by the China Light Industry Association.

This standard was drafted. China Institute of Metrology, Donghua University, National Eyeglass Enamel Products Quality Supervision and Inspection Center.

1 Scope

This standard specifies the technical requirements, test methods and signs of uncut glasses.

This standard applies to spectacle lenses other than occupational protection.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 10810.1 Spectacle lenses - Part 1. Single and multifocal lenses (GB 10810.1-2005, ISO 8980-1.2004,

MOD)

GB 10810.2 Spectacle lenses - Part 2. Gradient-focus lenses (GB 10810.2-2006, ISO 8980-2.2004, MOD)

Spectacle lenses and related eyewear products - Part 3. Transmission specification and method of measurement (ISO 8980.3.2003,

MOD)

GB 10810.4 Spectacle lenses - Part 4. Specifications and methods for measurement of anti-reflection (GB 10810.4-2012, ISO 8980-4.

2006, MOD)

GB 10810.5 Spectacle lenses - Part 5. Wear requirements for lens surfaces (GB 10810.5-2012, ISO 8980-5.2005,

MOD)

GB/T 26397 ophthalmic optical terminology (GB/T 26397-2011, ISO 13666.1998, MOD)

3 Terms and definitions

The following terms and definitions as defined in GB/T 26397 apply to this document.

3.1

Manufacturer (uncut edge glasses) manufacturer(ofanuncutfinishedspectaclelens)

A natural or legal person who puts uncut spectacles into the market.

4.1 Performance

In addition to meeting the requirements of this standard, uncut glasses lenses shall also comply with the relevant requirements of GB 10810.1~GB 10810.5.

4.2 Design

The design and manufacture of the lens should take into account the use of the lens under specified conditions, and the hazards that may occur when it is discarded, and should be dangerous.

The damage is reduced to the level of known process technology.

4.3.1 Physiological compatibility

It is known that when a physiologically incompatible or when used as intended by the manufacturer, a significant proportion of the wearer is allergic or toxic.

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National Standards of People's Republic of China

Basic requirements for uncut lenses for spectacle lenses

(ISO 14889.2013, Ophthalmicoptics-Spectaclelenses-

Fundamentalrequirementsforuncutfinishedlenses, MOD)

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