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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 26397-2011

Ophthalmic optics -- Terminology

眼科光学 术语

(English Translation)

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Foreword

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

This revised standard adopts ISO 13666:1998 "Ophthalmic optics - spectacle lenses vocabulary" (English version), including its amendments ISO 13666. DAmD1.2.2009.

This standard is based on ISO 13666. In addition to editorial changes, the main technology 2009.1998, including its amendment ISO 13666. DAmD1.2 Surgery differences are as follows.

- Remove the ISO 13666:1998 in 9.1 "diopter" term;
- Remove the ISO 13666. DAmD1.2. 8.4.16,8.4.17 in 2009 "series production", "Production Chart" term;
- Remove the ISO 13666. 9.7.3 in the "off-axis of the" Terminology 2009;. DAmD1.2
- Added "glasses with a standard lens vertex," "special contact lens vertex standard lens" term (see 3.5.5.6 and 3.5.5.7);
- Adds "frames" of related terms (see 3.15.1 - 3.15.5);
- Added "list frames related terms" related terms (see 3.16.1 - 3.16.7);
- Added "contact lens basic terms" related terms (see 3.17.1 - 3.17.13);
- Added "contact lens parameters and design" related terms (see 3.18.1 - 3.18.27);
- Added "contact lens material properties" of related terms (see 3.19.1 - 3.19.12);
- Added "contact lens use and wear details" related terms (see 3.20.1 - 3.20.12);
- Added "contact lens other terms" related terms (see 3.21.1 - 3.21.3);
- Added "intraocular implants --- IOL general terms and definitions" related terms (see 3.22.1 - 3.22.16);

- Added "IOL optical properties" related terms (see 3.23.1 - 3.23.3);
- Added "IOL mechanical properties" related terms (see 3.24.1 - 3.24.4);
- Added "IOL trademark information" for related terms (see 3.25.1 - 3.25.7);
- Added "IOL biocompatibility" related terms (see 3.26.1 - 3.26.6);
- Added "IOL validity and transport stability" related terms (see 3.27.1 - 3.27.8);
- Added "IOL clinical research," related terms (see 3.28.1 - 3.28.7);
- Added "multifocal intraocular lens-related term" related terms (see 3.29.1 - 3.29.2).

Please note that some of the content of this standard may involve patents. The standard release mechanism does not assume the responsibility to identify these patents.

The standard proposed by China Institute of Metrology.

This standard by the National Standardization Technical Committee and Photonics Optical glasses Optical Technical Committee (SAC/TC103/SC3) centralized.

This standard was drafted. China Institute of Metrology, measuring and testing technology Research Institute, Guangzhou, China Optical Society.

1 Scope

This standard specifies the semi-finished lens blanks and finished lenses, lens fitted, spectacle frames, contact lenses, intraocular artificial lens implant ---the terms and definitions.

This standard applies to these products, and the list of terms related to the spectacle frame.

This standard does not apply to labor or occupational safety glasses.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

JJG866 lens vertex standard test procedures JJG1011 keratometry verification procedures
ISO 7998:2005 Ophthalmic optics - Spectacle frames terminology and vocabulary
(Ophthalmicoptics-Spectacleframes-Lists ofequivalenttermsandVocabulary) ISO 8624:2002
Ophthalmic optics - Spectacle frames measuring systems and terminology Within ISO
11979-1 intraocular implant IOL vocabulary (Ophthalmicimplants-Intraocularlenses-Part 1.
Vocabulary) ISO 18369-1:2006 Ophthalmic optics - Contact lenses - Part 1. Vocabulary,
classification and identification specifications recommended (Ophthalmic
optics-Contactlenses-Part 1. Vocabulary,

classification system and recommendations for labeling specifications)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Optical foundation

3.1.1

Optical radiation X-ray wavelength of the transition region ($\lambda \sim 1\text{nm}$) and electromagnetic radio waves to the transition zone ($\lambda \sim 1\text{mm}$) between the radiation.

3.1.2

Visible radiation Optical radiation can directly cause visual sensation.

Note 1: The spectral range of visible radiation, no clear boundaries, because it reaches the retina and radiated power, but also with the response of the observer has turned off. In general, the lower limit is taken in the visible radiation between $360\text{nm} \sim 400\text{nm}$, between 760nm and the upper limit taking at $\sim 830\text{nm}$.

Note 2: This standard lens for spectacles, visible radiation is defined between $380\text{nm} \sim 780\text{nm}$. The restrictions are also given in ISO 20473 corresponding provisions.