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

GB/T 13511.3-2019

**Assembled spectacles -- Part 3: Single-vision near-vision
spectacles**

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Foreword

"Fixed Glasses" is divided into three parts.

---GB 13511.1 fitting glasses Part 1. single light and multi-focus;

---GB 13511.2 fitting glasses Part 2. Gradient coke;

---GB/T 13511.3 fitting glasses Part 3. single light presby mirror.

This part is the third part of "Fixed Glasses".

This section uses the redrafting method to modify the use of ISO 16034.2002 "Ophthalmic optical single-light near-reading glasses specifications."

This part has a structural adjustment compared with ISO 16034.2002, adding the corresponding chapter number and figure number extension of Chapter 5 and Figure 1.

The technical differences between this part and ISO 16034.2002 and their reasons are as follows.

---About the normative reference documents, this part 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.

* Replaced ISO 8980-1.1996 with GB 10810.1 modified to adopt international standards;

* Replaced ISO 12870.1997 with GB/T 14214 modified to adopt international standards;

* Replace ISO 13666.1998 with GB/T 26397 modified to adopt international standards;

* Added reference to GB 10810.3;

* Added reference to QB/T 2506;

* Removed ISO 7998.1984, ISO 8624.1991 and ISO 14889.1997 referenced by ISO 16034.2002;

--- Chapter 1 removed "The glasses are not suitable for regular use without the approval of eye care professionals";

--- Added terms and definitions "optical center horizontal distance" "optical center horizontal deviation" "optical center one-sided horizontal deviation" and "light"

The center of the school is vertically different" (see 3.2~3.5);

---4.1 General requirements increase the light transmittance of the lens;

--- 4.2 The top power range of the lens is modified to "within 1.00m-1~ 4.00m-1 (1.00D~ 4.00D)";

--- Increased 4.3 "the difference between the two lens tops";

--- Amend the 4.4 heading "Design Datum Point and Prism" to "Optical Center" and modify the technical requirements;

--- Added Chapter 5 "Measurement Methods";

---6.2 added a). "product name, model, manufacturer or supplier name and address; implementation standards and certificate, date of manufacture

Or production batch number."

This section has the following editorial changes.

--- In line with China's technical standards system, the standard name was changed to "fitted glasses part 3. single light and old mirror into a mirror";

--- Replace the "single-view near-view mirror" with the term "single-light presby mirror";

--- Change the title of Chapter 4 "Performance Requirements" to "Requirements";

--- Replace the title of Chapter 6, "Marking, indications and warnings on glasses" with "flags";

--- Added "may be abbreviated or graphical representation" in 6.1a);

--- Replace the 6.2 heading "Description and Warning on the Package" with "Identification";

--- Change Chapter 5 "Center Distance" to "Optical Center Horizontal Distance";

--- Added the International System of Units for the unit of the top power.

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

This section drafted by. Yingtan Wancheng Optical Technology Co., Ltd., Donghua

University, the national glasses glass enamel products quality supervision and inspection Heart, Pinghu City Metrology Testing Institute, Zhejiang Optical Product Quality Inspection Center, Shanghai Eyeglass Enamel Product Quality Supervision and Inspection Station.

1 Scope

This section specifies the requirements, measurement methods and signs for single-light presbyopia.

This section applies to over-the-counter single-line-near reading glasses.

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)

Spectacle lenses and related eyewear products - Part 3. Transmission specification and method of measurement (GB 10810.3-2006,

ISO 8980-3.2003, MOD)

GB/T 14214 Spectacle frame general requirements and test methods (GB/T 14214-2003, ISO 12870.1997, MOD)

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

QB/T 2506 glasses lens optical resin lens

3 Terms and definitions

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

3.1

Single-visionready-to-wearnear-visionspectacles

Used only for near-reading spectacles, with or with a pair of single-view lenses of the same positive spherical top power, and this lens is not pressed

Set by the party.

3.2

Optical center horizontal distance opticalcenterhorizontaldistances; OCD

The distance between the optical centers of the two lenses in a direction parallel to the geometric center of the two mirror circles.

3.3

Optical center horizontal deviation opticalcenterhorizontaldeviations

The difference between the measured value of the horizontal distance of the optical center and the nominal value.

3.4

Optical center one-sided horizontal deviation opticalcenterhorizontaldeviations of one-side

The difference between the optical center's one-sided horizontal distance and one-half of the nominal value.

3.5

Optical center vertical mutual opticalcenterverticaldeviations

The difference between the heights of the optical centers of the two lenses.

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National Standards of People's Republic of China

Wear glasses

Part 3. Single light presby mirror

(ISO 16034.2002, Ophthalmic optics-Specifications for single-vision

Ready-to-wear near-vision spectacles, MOD)

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Foreword

"Fixed Glasses" is divided into three parts.