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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 38696.2-2020

Eye and face protection - Intense light sources(non-laser)protector - Part 2: Guidance for use

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Foreword

GB/T 38696 "Eye and face protection strong light source (non-laser) protective glasses" is divided into two parts.

---Part 1.Technical requirements;

---Part 2.User guide.

This part is Part 2 of GB/T 38696.

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

This part uses the redrafting method to modify and adopt ISO 12609-2.2013 "Human and animal beauty and medical use strong light source protective glasses Part 2

Points. User Guide.

Compared with ISO 12609-2.2013, there are structural changes in this part, adding Chapter 2, annex D and annex E to annex D.

The technical differences between this part and ISO 12609-2.2013 and the reasons are as follows.

---Rewritten the scope of application, while increasing the scope of unsuitability to meet the actual use of strong light source protective glasses in my country;

--- Added Chapter 2.

This part is proposed by the Ministry of Emergency Management of the People's Republic of China.

This part is under the jurisdiction of the National Technical Committee for Standardization of Personal Protective Equipment (SAC/TC112).

This section was drafted. China National Institute of Standardization, Shanghai Institute of Safe Production Science, Taicang Ruijie Experimental Instrument Manufacturing Co., Ltd.

the company.

1 Scope

This part of GB/T 38696 stipulates the risk assessment and control measures of optical radiation damage of protective glasses with strong light sources (non-laser), protective glasses

Selection, wearing comfort and secondary safety.

This section applies to eye protectors that protect against strong light sources with radiation wavelengths between 250nm and 3000nm.

This section provides guidelines for the selection of strong light source (non-laser) protective glasses to prevent eyes from being exposed to light from strong light source (non-laser) equipment

Spectral output damage provides a more stringent set of protection procedures for users, manufacturers, suppliers and strong light source (non-laser) protective glasses

Used by safety consulting agencies.

This section does not apply to welding goggles, laser goggles, sunglasses, ophthalmic instruments, sun exposure or other medical beauty equipment assembled

part.

Note. Strong light source goggles are widely used in industrial processing, food processing, greenhouse cultivation, medical beauty, water treatment, light curing and other fields where there is a strong light source hazard.

2 Normative references

The following documents are essential for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 38696.1 Eye and face protection strong light source (non-laser) protective glasses Part 1.Technical requirements (GB/T 38696.1-

2020, ISO 12609-1.2013, MOD)

3 Terms and definitions

The terms and definitions defined in GB/T 38696.1 and the following apply to this document. For ease of use, the following list is repeated

Certain terms and definitions in GB/T 38696.1.

3.1

Attenuation

After the optical radiation passes through the absorption or scattering medium, its irradiance or exposure decreases.

3.2

Exposure limit exposurelimitvalue; ELV

Maximum exposure to side effects on eyes or skin.

3.3

Strong light source intenselightsource; ILS

Contains one or more and the radiation wavelength is between 250nm and 3000nm, which can cause damage or expected in humans and animals

Non-laser light source for biological effects.

[GB/T 38696.1-2020, definition 3.4]

Note. Strong light source can work in continuous or pulse mode.