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JJF 1772-2019

Program of Pattern Evaluation of Trial Case Lenses

验光镜片箱型式评价大纲

(English Translation)

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11 Table of measuring instruments and equipment used in the test project

Appendix A. The original record format of type evaluation of optometry lenses (14)

Appendix B. Judgment of the evaluation results of the type of optometry lenses

Introduction

This type evaluation outline is based on JJF 1015-2014 "General Specification for Type Evaluation of Measuring Instruments", JJF 1016-2014 "Guidelines for the Compilation of Outlines for Measuring Apparatus Type Evaluation" and JJF 1051-2014 "Code for Nomenclature and Classification of Measuring Apparatus" Code "preparation.

The technical indicators of this type evaluation outline refer to JJG579-2010 "Refractive Lens Box", GB 17342-2009 "Ophthalmic Instruments Optometry Lens", ISO 9801.:2009 "Ophthalmic Instruments Optometry Lens Box" (Ophthalmic instruments-Trailcaselenses) and other technical documents, of which JJG579-2010 is the primary reference standard.

This type evaluation outline is released for the first time.

Outline of evaluation of type of optometry lens box

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1 Scope

This type evaluation program is applicable to the type evaluation of the refraction lens box with the classification code of 33720000.

2 Reference documents the following documents are cited in this type evaluation outline.

JJG579 Optometry Lens Case GB 17342 Ophthalmic Instruments Optometry Lenses ISO 9801 Ophthalmic Instruments Optometry Lens Box (Ophthalmicinstruments-Trailcaselenses) for dated reference documents, only the dated version is applicable to this type of evaluation outline; those that are not dated the latest version (including all amendments) of the cited documents is applicable to this type evaluation outline.

3 Terms and definitions

3.1 Top power vertexpower the reciprocal of the paraxial focal length of the lens in meters.

Note: A lens contains two top and bottom power.

3.2 Back-vertexpower the reciprocal of the focal length of the lens's paraxial back vertex in meters. As shown in Figure 1, the distance from the back vertex of the lens to the focal point of the image side the distance is called the back top focal length, which is represented by the symbol lf '. Its reciprocal is called the back vertex power, or 1/lf '. Unit of back vertex power it is the reciprocal of the meter (m-1), and the unit name is diopter.

Note: Unless otherwise specified, the top power of the lens refers to the back top power.

3.3 Prism power

A measure of the deviation of light after passing a specified point on the lens (usually the center of the lens), a unit of prism it is centimeters per meter (cm/m), and the unit name is prism diopter.

F-object focus; F'-image focus; H-object principal point; H'-image principal point;

f-object square focal length; f'-image square focal length; lf-front top focal length; lf'-back top focal length

Figure 1 Schematic diagram of the top focal length of the lens

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