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

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**Verification Regulation of Phoropters(Eye Chart Included)
(English Translation)**

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Introduction

JJF1002-2010 "national verification procedures write rules", JJF1001-2011 "common terminology and measurement the definition of "together constitute the support of the protocol development of the basic family of specifications.

The combination of integrated refractometer develop procedures and visual status of the

domestic table and the special requirements of the application, modify, adopt ISO 10341:2012 "ophthalmic instruments optometry head" (Ophthalmicinstruments-Refractorheads) and GB 11533-2011 "standard vision chart." this procedure is the first release.

Integrated refractometer (including eye chart) test procedures

1 Scope

The order applies to integrated refractometer and far vision chart (not included in the reading eye chart) the initial verification, follow-up inspection and given the use of checks.

2. References

This procedure refers to the following documents.

GB 11533-2011 standard vision chart ISO 10341-2012 ophthalmic instruments optometry head (Ophthalmicinstruments-Refractorheads) for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement the following terms and definitions apply to this procedure.

3.1 phoropter Also known as the head of optometry (refractorhead), commonly known as bovine lung or head, it is to check with the ball optometry lenses, lenticular Films, prism sheets and various auxiliary lenses and various adjustment components integrated in one visual inspection equipment, through different internal mirror Superimposed on the disc combination lenses, eye examination to achieve the refractive status and visual function.

3.2 reference plane Top with integrated refractometer power measuring device reference plane of the integrated refractometer for checking the time on on this plane Metrological performance spherical degree of integrated refractometer, cylinder Indication errors, etc. for examination.

Note: The method for determining phoropter reference plane generally given by the manufacturer. If manufacturers do not specifically pointed out that the use of integrated test the 15.00m-1 spectrometer ball lenses to determine the position of the reference plane.

3.3 After the vertex backvertexpower After the lens near the axis in meters measured at the top of the reciprocal of the focal length. The unit is the reciprocal meter (m-1).

Note: The top paraxial focal length is the distance after the paraxial focus from the vertex to the lens.

3.4 prism prismaticpower Measure the light deviated by a predetermined point on the lens produced (usually the center of the lens) later. In centimeters per M (cm/m).

3.5, as the standard optotype Determination of vision with a variety of text, numbers, or

graphics.

NOTE: Depending on the measured object or situation, you can choose one or more visual target.

3.6 eye chart by the arrangement according to certain rules of composition, as the standard measurement for the human eye vision chart.