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

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Stereomicroscopes -- Information provided to the user

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Foreword

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

This standard uses the redrafting method to modify the use of ISO 15362..2014 "Information provided to users by stereo microscopes".

The main technical differences between this standard and ISO 15362.2014 and their reasons are.

---About the normative reference documents, this standard has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory References", and the specific adjustments are as follows.

* Replace ISO 11883 with GB/T 22058 modified to international standards.

--- Deleted all the information of the 16x eyepiece in Table 1, Table 3.2, because there is no 16x eyepiece in China.

This standard was proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Optical and Photonics Standardization Technical Committee (SAC/TC103).

This standard was drafted. Ningbo Teaching Instrument Co., Ltd., Shanghai Institute of Technology, Ningbo Yongxin Optical Co., Ltd., Nanjing Dongli

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1 Scope

This standard specifies the minimum demand information provided by the stereo microscope manufacturer to the user.

Among them, the necessary information mark is (m), and the recommended information mark is (r).

This standard applies to all stereo microscopes.

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/T 22058 Microscope stereo microscope logo (GB/T 22058-2008, ISO 11883.1997, MOD)

3.1 General

The necessary information for the following microscope assembly characteristics is provided by the manufacturer and the format of the information should be in accordance with GB/T 22058.

- a) country of origin information;
- b) (m) the manufacturer;
- c) (r) Country of origin, when required.

3.2 Basic information about stereo microscopes

The basic information is as follows.

- a) (m) magnification;
- b) (m) continuous zoom range or step change order;
- c) (m) the diameter of the object field;
- d) (m) free working distance d_1 (see Figure 1);
- e) (r) Numerical aperture.

Note. Table 1 is all the information given by the minimum and maximum magnification

changes.

Table 1 Basic specification examples

Objective eyepiece

Continuous zoom/step change

position

magnification

Object diameter

Mm

Numerical aperture

Free working distance

Mm

0.5x 10x

Minimum

maximum

5x

20x

0.02

0.04

1.0x 10x

Minimum

maximum

10x

40x

0.04

0.08

2.0x 10x

Minimum

maximum

20x

80x

2.5

0.08

0.16

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