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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 4464-2016

Replacing GB/T 4464-2006

Dyestuffs -- Determination of migration

染料 泳移性的测定

(English Translation)

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Foreword

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

This standard replaces GB/T 4464-2006 "Determination of dye swellability", compared with GB/T 4464-2006, in addition to editorial modification the main technical changes are as follows.

- modified the scope of application (see Chapter 1, Chapter 1 of the 2006 edition);

- modified the formulation of terms and definitions (see Chapter 3, Chapter 3 of the 2006 edition);

- modified the expression of the principle (see Chapter 4, Chapter 4 of the 2006 edition);

- modified structural and experimental methods for the preparation of stains (see 7.2, 2006, 7.2);

- to modify the visual test title for visual evaluation and to modify the expression (see 7.3.1, 2006 edition of 7.3.1);

- Removal of transmittance assays (see Edition 7.3.3);

--- modified the contents of the test report (see Chapter 8).

This standard uses the re-drafting method to modify the use of ISO 105-Z06..1998 "Textile color fastness test Z06 part. dyes and pigments Swim evaluation ".

This standard has a greater structural adjustment compared to ISO 105-Z06..1998, which is listed in Appendix A and ISO 105-Z06..1998 chapter number comparison list.

There are technical differences between this standard and ISO 105-Z06..1998, and the terms involved in these differences have passed through the margin the vertical single line (|) of the position is marked, and Appendix B gives a list of the corresponding technical differences and their causes.

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The following editorial changes have been made to ISO 105-Z06..1998.

- 7.2.2.1 of this standard changes the language structure of the expression in 7.1 of ISO 105-Z06..1998;

- 7.2.2.2 of this standard changes the language structure of the expression in 7.2 of ISO 105-Z06..1998;

- the revision of the language structure of the expression in 8.1 of ISO 105-Z06..1998 in 7.3.1 of this standard;

- 7.3.2 of this standard changes the language structure of 8.2 in ISO 105-Z06..1998.

This standard is proposed by the China Petroleum and Chemical Industry Association.

This standard is under the jurisdiction of the National Dye Standardization Technical Committee (SAC/TC134).

The drafting unit of this standard. Hangzhou Xisha Hengsheng Chemical Co., Ltd., Shenyang Chemical Industry Research Institute Co., Ltd., the national dye quality supervision and inspection center.

1 Scope

This standard specifies the determination of dye swellability.

This standard applies to disperse dyes, vat dyes, reactive dyes in the process of pad dyeing drying determination.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 250-2008 Textiles - Tests for color fastness - Gray cards for color change (ISO 105-A02..1993, IDT) General conditions for determination of dye dyeing GB/T 2377-2013 Determination of color and intensity of reduced dyes GB/T 2387-2013 Determination of color and intensity of reactive dyes GB/T 2394-2013 Determination of color and intensity of disperse dyes Representation and Judgment of Numerical Correction Rule and Limit Value in GB/T 8170-2008 GB/T 25811-2010 Standard bleached polyester fabric for dye testing Standard bleached cotton cloth for dye testing GB/T

3 Terms and definitions

The following terms and definitions apply to this document.

Sweep migrationproperties in the fiber or between the fiber due to capillary force, dyes with

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the movement of water molecules in the fiber transfer between the nature of the dye called the mobility.

Note: Swimming may occur during the processing, testing, storage and use of textiles.

4 Principle

The fabric is padded with a paddle, and then a portion of it is covered with a surface dish and dried to produce a different drying pattern, shift. The degree of swim is evaluated by visual evaluation or reflectance measurements of the coverage area and the uncoated area.

5 Reagents and materials

Reagents and materials and test water should comply with the relevant provisions of Chapter 3 of GB/T 2374-2007.

a) Fabrics. Disperse Dye Tests Standard bleached polyester fabrics shall comply with the requirements of GB/T 25811-2010, reactive dyes and reduced dyeing the standard bleached cotton cloth shall be in accordance with the requirements of GB/T 25812-2010, the test fabric size shall be 220mm x 110mm or 300mm x 150mm;

b) Glass plate. 350mm x 600mm;

c) surface dish. diameter 90mm, arch height 22mm;

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