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

GB/T 33788-2017

**Reactive dyes -- Determination of shade and relative strength --
Low salt dyeing method**

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Foreword

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

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 of this standard. Zhejiang Ruihua Chemical Co., Ltd., Shenzhen Pan-sheng plastic additives Co., Ltd., Shenyang Chemical Industry Research Institute Co., Ltd.,

National Dye Quality Supervision and Inspection Center.

1 Scope

This standard specifies the method for the determination of hue and intensity of reactive dyes.

This standard is applicable to the determination of hue and intensity of low-salt dyeing dyes.

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 2374-2017 General conditions for dye dyeing determination

GB/T 2387-2013 Determination of color and intensity of reactive dyes

Determination of Relative Strength and Color Difference of Dyes by Instrument Method
GB/T 6688-2008

3 reagents and materials

Reagents and materials should comply with the relevant provisions of Chapter 3 of GB/T 2374-2017.

4 instruments and equipment

The equipment and equipment shall comply with the relevant provisions of Chapter 4 of GB/T 2374-2017.

5.1 General conditions

The general conditions for dyeing shall comply with the relevant provisions of GB/T 2374-2017. The depth of dyeing is selected according to the specific variety, in order to meet the sub-file clear

The principle of clarity.

The general conditions for dyeing are as follows.

--- dyeing fiber. 5g or 10g cotton knitted fabric or cotton yarn;

--- dyeing depth. 1% (owf) ~ 4% (owf);

--- dyeing bath ratio. 1.20 (under the premise of uniform dyeing, but also choose a smaller bath ratio);

--- anhydrous sodium sulfate. 30g/L ~ 35g/L;

Reaction dye dyeing agent. 5g/L ~ 8g/L, or anhydrous sodium carbonate. 15g/L ~ 20g/L;

--- dyeing temperature. room temperature (20 degrees C) ~ 80 degrees C;

--- Dyeing time. 90min.

5.2 dye bath preparation

To the dyeing depth of 2% (owf), 5g cotton knitted fabric or cotton yarn dyeing, using 1.20 bath ratio, for example, in 5 cups, according to Table 1 regulation