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GB/T 25808-2010

Sulphur black 2BR, 3B 200%

硫化黑 **2BR、3B 200%**

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Foreword

This standard replaces HG/T 3427-2001 "Sulphur black 2BR, 3B (200%)".

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

This standard shall be under the jurisdiction of the National Dye Standardization Technical Committee (SAC/TC 134).

The drafting organizations of this standard: Tianjin Dyeing Chemical Co., Ltd., Shanxi Linfen Dyeing (Group) Co., Ltd., Henan Luoyang Dyeing Co., Ltd., Dalian Dyestuff Chemical Co., Ltd., China Salt Yabulai Dyestuff Co., Ltd., Shanxi Yinlv Chemical Co., Ltd., Shenyang Chemical Industry Research Institute Co., Ltd.

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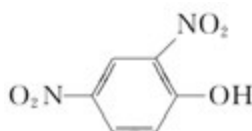
Sulphur black 2BR, 3B 200%

1 Scope

This standard specifies the requirements, sampling, test methods, inspection rules, marking, labeling, packaging, transportation and storage of sulphur black 2BR, 3B 200% (C.I. sulphur black 1, double sulfide black) products.

This standard applies to the product quality control of sulphur black 2BR, 3B 200%.

Structure: the sulfides of the following intermediates:



CAS RN: 1326-82-5

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 2374-2007 General rules for test dyeing of dyestuffs

GB/T 2376-2003 Sulphur dyes - Determination of dyeing shade and relative strength

GB/T 2381-2006 Dyestuffs and intermediate of dyestuffs - Determination of content of insoluble matters

GB/T 2386-2006 Dyestuffs and intermediate of dyes - Determination of moisture content

GB/T 3920-2008 Textiles - Tests for colour fastness - Colour fastness to rubbing (ISO 105-X12:2001, MOD)

GB/T 3921-2008 Textiles - Tests for colour fastness - Colour fastness to washing with soap or soap and soda (ISO 105-C10:2006, MOD)

GB/T 3922-1995 Textiles - Testing method for colour fastness to perspiration (eqv ISO 105-E04:1994)

Light black	6	3 ~ 4	4	4 ~ 5	4	4 ~ 5	4 ~ 5	4	4 ~ 5	4 ~ 5	2 ~ 3	1 ~ 2	4
Note: 6% (owf) is equivalent to light black stain standard depth.													

4 Sampling

TAKE samples by batch, using the products mixed uniformly by the manufacturer for one time as a batch. The number of barrels sampled per batch shall comply with the requirements of 7.6 in GB/T 6678-2003. The packaging of the sampled product must be intact AND do not allow external contaminants to fall into the product during sampling. USE the probe to take sample from the top, middle, and bottom parts of the barrel; the total amount of sample taken is not less than 200 g. Fully MIX the sample uniformly; CONTAIN it into two clean, dry and sealed vessels; ATTACH labels; INDICATE the product name, lot number, manufacturer name, sampling date and location; USE one for inspection and another for reference.

5 Test method

5.1 Evaluation of appearance

USE visual inspection for evaluation.

5.2 Determination of dyeing colour and strength

5.2.1 General conditions for dyeing

The general conditions for dyeing shall comply with the relevant provisions of GB/T 2374-2007. Dyeing shall be conducted in accordance with the provisions of GB/T 2376-2003.

5 g of dyeing cotton or cotton yarn, bath ratio 1:40, AND dyeing depth: 1.5% (owf).

5.2.2 Preparation of dyeing solution

Accurately WEIGH 1.5 g of the standard dyeing sample and 1.5 g of sample (accurate to 0.0005 g); respectively PLACE it into a 300 mL beaker; ADD 22.5 mL of 100 g/L sodium sulfide solution [dye: sodium sulfide (by 100%) = 1:1.5]; fully STIR it uniformly; ADD 200 mL of boiling water; fully STIR to dissolve it. After cooling it to room temperature, TRANSFER it into a 1000 mL volumetric flask; USE water to dilute it to the mark; the dyeing solution shall be prepared before use, AND it is not allowed to use the solution overnight.

The dyeing solution formulation is as shown in Table 3.

Table 3 -- Dyeing solution formula

Unit: milliliters

Dyeing cylinder number	1	2	3	4	5
Volume of 1.5 g/L dyeing standard solution	47.5	50.0	52.5	-	-

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