

ICS 71.100.01  
CCS G57



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

**GB/T 25819-2023**

Replacing GB/T 25819-2010

**Dyestuffs - Liquid reactive black**

染料 液体反应黑

**Issued on: March 17, 2023**

**Implemented on: October 1, 2023**

**Issued by: State Administration for Market Regulation;  
Standardization Administration of China**

## Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

### Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting: This document replaces GB/T 25819-2010 "Liquid Reactive Black PWF": Compared with GB/T 25819-2010, except for structural adjustment and In addition to editorial changes, the main technical changes are as follows:

- Added terms and definitions (see Chapter 3);
- Added colorimetry and storage stability indicators (see 4:1);
- Deleted the mass fraction index of solid content (see 3:2 of the:2010 edition);
- Changed the water insoluble matter (mass fraction), pH value indicators (see 4:1, 3:2 of the:2010 edition);
- Changed the control requirements and test methods for harmful aromatic amines (see 4:1, 6:9, 3:2, 5:9 of the:2010 edition);
- Changed the sampling volume (see Chapter 5, Chapter 4 of the:2010 edition);
- Changed the appearance evaluation method (see 6:1, 5:1 of the:2010 edition);
- Added dye standard content (see 6:2:1);
- Increase the content of arbitration inspection (see 6:2:2);
- Increased low-temperature dyeing method (see 6:2:4);
- Changed part of the marking, labeling, packaging, transportation and storage (see Chapter 8, Chapter 7 of the:2010 edition): Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed by China Petroleum and Chemical Industry Federation: This document is under the jurisdiction of the National Dyestuff Standardization Technical Committee (SAC/TC134): This document is drafted by: Zhejiang Yide New Material Co., Ltd.; Shenyang Shenhua Institute Testing Technology Co., Ltd.; Jiangsu Demeike Chemical Co., Ltd: Co., Ltd.; Shenyang Research Institute of Chemical Industry

Co., Ltd: The main drafters of this document: Wang Yong, Qin Jiefeng, Wang Xiaojun, Yang Zhenmei, Dong Zhongsheng, Meng Shengfeng, Li Yongge, Yang Jun: This document was first published in:2010, and this is the first revision: dye liquid reactive black

## 1 Scope

GB/T 25819-2023 is the Chinese national standard on dyestuffs - liquid reactive black, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 17 March 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2023. Classification: ICS 71.100.01, CCS G57. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the requirements, sampling, test methods, inspection rules for liquid reactive black products, as well as signs, labels, packaging, transportation and storage: This document is applicable to the product quality control of liquid reactive black:

## 2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 2374-2017 General Conditions for Determination of Dye Dyeing

GB/T 2381-2013 Determination of insoluble matter content of dyes and dye intermediates

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

GB/T 2390-2013 Determination of pH value of dyes

GB/T 2391-2014 Determination of color fixation rate of reactive dyes

GB/T 3920-2008 Tests for color fastness of textiles Color fastness to rubbing

GB/T 3921-2008 Tests for color fastness of textiles Color fastness to soaping

GB/T 3922-2013 Tests for color fastness of textiles Color fastness to perspiration

GB/T 4841.2-2006 Dye dyeing standard depth color card dark blue and black

GB/T 6152-1997 Tests for color fastness of textiles Color fastness to heat pressing

GB/T 6678-2003 General Rules for Sampling of Chemical Products

GB/T 6687 Dye Terminology

GB/T 8427-2019 Tests for color fastness of textiles Color fastness to artificial light: Xenon arc

### 3 Terms and Definitions

The following terms and definitions defined in GB/T 6687 apply to this document: 3:1 storage stability storage stability After the dye is stored for a certain period of time under specific environmental conditions, its performance and quality remain stable: