

ICS 87.060.10

CCS G57



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

GB/T 10661-2010

Replacing GB/T 10661-2003

**Fluorescent whitening agent VBL (C.I. Fluorescent whitening
agent 85)**

荧光增白剂VBL (C.I.荧光增白剂85)

Issued on: December 23, 2010

Implemented on: October 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB/T 10661-2003 "fluorescent whitening agent VBL". This standard and GB/T 10661-2003 compared to the main changes are as follows:

- Standard name was changed to "fluorescent whitening agent VBL (CI fluorescent brightener 85)";
- Increased CASRN resolution (Chapter 1 of this edition);
- Combined for textiles and paper for two specifications (2003 edition Chapter 3, Chapter 3 of this edition);
- Test items in the "relative strength" and "whiteness" to "whitening intensity" index modified accordingly (2003 Edition Chapter 3, edition Chapter 3);
- Increasing the amount of indicators and test methods for heavy metal elements (Excerpts of Chapters 3 and 5.9);
- Test method for increasing the strength of whitening (edition 5.4);
- Cancel the relative strength and whiteness Test Method (2003 version

5.4 and 5.5). The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee Dye (SAC/TC134) centralized. Drafting of this standard. Zhejiang pass WHYON Chemical Co., Ltd. Shanxi Qingshan Chemical Co., Ltd., Shenyang Chemical Research Institute Co. the company. The main drafters of this standard. Jiangdong Wen, Dong Zhongsheng, Gan Hongyu, bamboo one hundred Jun, Li Gang, Zhu Ye Qing. This standard was first published in 1989, 1996 and first revised in 2003 to the Second Amendment, this is the third revision. Fluorescent whitening agent VBL (CI Fluorescent Brightener 85)

1 Scope

GB/T 10661-2010 is the Chinese national standard on fluorescent whitening agent vbl (c.i. fluorescent whitening agent 85), in the field of paint and colour industries. 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 23 December 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2011. Classification: ICS 87.060.10, 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 standard specifies the fluorescent whitening agent VBL (CI fluorescent brightener 85) requirements, sampling, test methods, inspection rules and signs, Sign, packaging, transport and storage. This standard applies to fluorescent whitening agent VBL product quality control. Structure. Molecular formula. $C_{36}H_{34}N_{12}Na_2O_8S$

2 Molecular weight. 872.84 (according to 2007 international relative atomic mass) CASRN. 17958-73-5

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. General conditions

GB/T 2374-2007 Determination of dyes provisions

GB/T 2381-2006 Determination of substance content of dye and dye intermediates insoluble Determination of

GB/T 2383-2003 dyes screening fineness Determination of

GB/T 2386-2006 dyes and dye intermediates moisture

GB/T 6678-2003 General Principles for Sampling Chemical Products

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD)

GB/T 8170-2008 revised value represents about rules and limit values \u200b\u200band judgment Limit and determination of

GB 19601 dye products in 23 kinds of harmful aromatic amines Limit and determination of

GB 20814 dye products in 10 kinds of heavy metal elements

GB/T 23979.1-2009 fluorescent whitening whitening shade intensity and determination of

cotton fabric dyeing method

GB/T 23979.2-2009 fluorescent whitening whitening shade and intensity of staining was measured paper

3 Requirements

Fluorescent whitening agent VBL quality requirements shall comply with the requirements of Table 1. Table

1 Quality requirements of fluorescent whitening agent VBL Item Index (1) Appearance light yellow or yellow uniform powder (2) fluorescence intensity (equivalent to the standard product)/min 100 ± 3 (3) whitening intensity (standard product)/min 100 ± 2