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

中华人民共和国化工行业标准

HG/T 3675-2007

Replace HG/T 3675-2000

**Fluorescent whitening agent CXT (C.I.
Fluorescent whitening agent 71)**

荧光增白剂 CXT (C.I.荧光增白剂 71)

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Foreword

This Standard will replace HG/T 3675-2000 *Fluorescent whitening agent CXT*.

Comparison with HG/T 3675-2000, main changes of this Standard are as follows:

- Changed the title of standard to Fluorescent whitening agent CXT (C.I. Fluorescent whitening agent 71) (Name of this Standard);
- Combined with two indicators for textile and detergent in previous standard (Table 1 of this Standard, Table 1 of HG/T 3675-2000);
- Adjusted the ultraviolet absorption indicator as 370 ± 10 (Table 1 of this Standard, Table 1 of HG/T 3675-2000);
- Canceled the fineness indicators (Table 1 of HG/T 3675-2000);
- Added the bulk density, 23 kinds of harmful aromatic amine and 10 kinds of amount of heavy metal element as well as corresponding test methods (Table 1, 5.7, 5.8 and 5.9 of this Standard);
- Changed the assessment methods for whitening strength (5.4.5 of this Standard, 5.3.5 of HG/T 3675-2000).

This Standard is proposed by China Petroleum & Chemical Industry Federation (CPCIF).

This Standard is under the jurisdiction of National Technical Committee (SAC/TC 134) on Dyestuff of Standardization Administration of China.

The responsible drafting organizations are ShanXi QingShan Chemical Industry Co., Ltd, Wanquande (Shenyang) Chemical Industry Co., Ltd, Jinhua Best Industrial Chemicals Dyes Co., Ltd, Hangzhou WHYON Chemical Co.;Ltd, Tianjin Huiquan Fine Chemical Co.,Ltd and Shenyang Chemical Industry Research Institute.

The chief drafting staff of this standard includes Wang Yunke, Wang Yong, Zhang Shixue, Jing Lisha, Zhu Baijun, Wang Pei and Li Gang.

This Standard issued as chemical industry standard for the first time on 2000, standard number is HG/T 3675-2000.

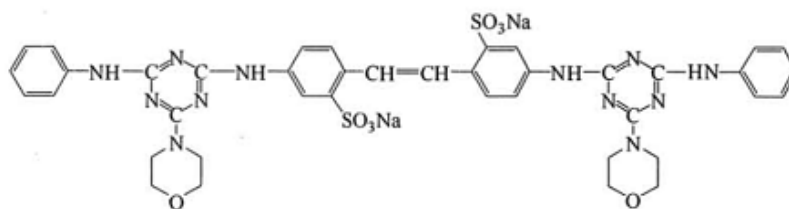
Fluorescent whitening agent CXT (C.I. Fluorescent whitening agent 71)

1 Scope

The standard specifies requirements, samplings, test methods, inspection rules, markings, labeling, packaging, transport and storage of fluorescent whitening agent CXT (C.I. fluorescent whitening agent 71).

The standard is applicable to fluorescent whitening agent CXT quality inspection. This product is mainly used for whitening of synthetic detergents, cotton fiber and cotton fabrics.

Structural formula:



Molecular formula: $C_{40}H_{38}N_{12}O_8S_2Na_2$

Relative molecular mass: 924.91 (According to international relative atomic mass 2005)

CAS: 16090-02-1

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1250-1989 Rules for expression and judgement of limiting values

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