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

GB/T 25782-2010

1-Naphthol

1-萘酚

(English Translation)

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Foreword

This standard is modified using Japanese Industrial Standard JIS K4129.:1995 "1-naphthol".

The main differences between this standard and the Japanese Industrial Standard JIS K4129.:1995 "1-naphthol"

--- This standard provides excellent grade, qualified two grades, the Japanese standard only provides a grade (the third chapter of this edition; JISK4129.

1995 Chapter 3);

--- The appearance of the standard appearance of the provisions of the white to gray sheet, qualified products for the light gray to reddish brown sheet, and filling the storage allowed and the Japanese standard looks white to pale yellow solid (Chapter 3 of this edition; Chapter 3 of JIS K4129.:1995);

--- This standard specifies the crystal point of excellent products $\geq 94.50\text{ }^{\circ}\text{C}$, qualified $\geq 92.00\text{ }^{\circ}\text{C}$, the Japanese standard provides a melting range. $92\text{ }^{\circ}\text{C} \sim 95\text{ }^{\circ}\text{C}$ (Chapter 3 of this edition; Chapter 3 of JIS K4129.:1995);

This standard column is a capillary column with a stationary phase of (5% phenyl) methylpolysiloxane, a Japanese standard packed column, a stationary phase for a Siloxanes or cyanoethylmethylpolysiloxanes [5.4.3 of this version; (1.2.4) in 5.4 of JIS K4129.:1995);

--- The standard method of purity and organic impurities for the peak area normalization method, the Japanese standard for the calibration peak area normalization method (this version of 5.4.1; JIS K4129.:1995 version of Chapter 3);

--- the standard purity of $\geq 99.50\%$, qualified products $\geq 96.00\%$, the Japanese standard purity of 97.5% or more [this edition of Chapter 3;

JIS K4129.:1995 version 5.4 (1.5.2)];

--- the standard low-boiling material for the excellent product $\leq 0.10\%$, qualified products

$\leq 0.20\%$, Japan's standard low boiling point of 0.1% (the first version of the Chapter 3; Chapter 1 of JIS K4129.:1995);

--- This standard 2-naphthol is excellent product $\leq 0.10\%$, qualified product $\leq 4.00\%$, Japanese standard 2-naphthol is 2.5% or less Chapter 3; Chapter 1 of JIS K4129.:1995);

--- This standard 1-naphthylamine is an excellent product, qualified products are $\leq 0.10\%$, the Japanese standard provisions of the high boiling point of 0.10% or less (this version of Chapter 3; Chapter 1 of JIS K4129.:1995);

--- This standard does not specify moisture and non-volatile sub-indicators, the Japanese standard provides moisture and non-volatile sub-indicators (JISK4129.:1995 Version of Chapter 3).

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. Changzhou Chungang Chemical Co., Ltd., Jiangsu Huada Chemical Group Co., Ltd., Shenyang Chemical Industry Research Institute limited the company.

1 Scope

This standard specifies the requirements, sampling, test methods, inspection rules and labeling,, packaging, transportation and storage of 1-naphthol.

This standard applies to the quality control of 1-naphthol.

Structure.

Molecular formula. $C_{10}H_8O$ Relative molecular mass. 144.17 (according to 2007 International relative atomic mass) CASRN. 90-15-3

2 Normative reference documents

The terms of the following documents are hereby incorporated by reference into this standard. Whichever is the date of the reference file, which is followed by all (Excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to reach an agreement under this standard Whether you can use the latest version of these files. For undated references, the latest edition applies to this standard.

GB/T 2385-2007 General method for determination of crystallization point range of dye intermediates (ISO 1392. 1977, MOD) General rules for sampling of chemical products
GB/T 6678-2003 GB/T 6682 Analytical laboratory water specifications and test methods (GB/T 6682-2008; ISO 3696. 1987, MOD) Representation and Judgment of Numerical

Correction Rule and Limit Value in GB/T 8170-2008 GB/T 9722 General principles of chemical reagents for gas chromatography

3 Request

The quality of the 1-naphthol should be in accordance with Table 1.

Table 1 1-naphthol quality requirements

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Excellent product qualified products (1) Appearance white to gray flake light gray to reddish brown sheet (2) Crystallization point/ $^{\circ}$ C $\geq$ 94.50 92.00 (3) 1-naphthol purity /% $\geq$ 99.50 96.00 (4) low boiling content /% $\leq$ 0.10 0.20 (5) 2-Naphthol content /% $\leq$ 0.10 4.00 (6) 1-Naphthylamine content /% $\leq$ 0.10 0.10 Note. The appearance of storage allows the color to become darker.