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

GB/T 28611-2012

O-Nitrotoluene, p-Nitrotoluene

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(English Translation)

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard uses redrafted law revision by the Japanese Industrial Standards JISK4108:1995 "nitrobenzene" (nitrobenzene, o-nitrotoluene, Nitrotoluene,).

This standard JISK4108. Compared to 1995, the restructuring is as follows.

- Increased in Chapter 4;
- The JISK4108:1995 Chapter 4, Chapter 5 of imputation Chapter 5, Chapter 6;
- Removed JISK4108:1995 Chapter 6;
- Increased Chapter 7, Chapter 8.

This standard JISK4108. Compared to 1995, the technical differences are as follows.

- Deleted nitrobenzene, nitrotoluene content [see JISK4108:1995 5.5 (1), 5.5 (3)];
- Increasing the product quality grading requirements (see Chapter 3, JISK4108. Chapter 3, 1995);
- The JISK4108:1995 packed column, stationary phase is polyethylene glycol to modify FFAP capillary column stationary phase (14% Cyanopropyl phenyl) - methyl polysiloxane (see 6.3.3, JISK4108:1995's 5.5 2.2.4);
- The JISK4108:1995 corrected peak area normalization method to modify the peak area normalization method (see 6.3.6, JISK4108. 1995 5.5 2.5);
- Deleted the melting point, crystallization point and non-volatile content (see JISK4108:1995 Chapter 3, 5.3, 5.4, 5.7).

This standard made the following editorial changes.

- Standard name from "nitrobenzene (nitrobenzene, nitrotoluene, inter-nitro toluene, nitrotoluene)" was changed to "o, nitromethane benzene".

Please note that some of the content of this document may involve patent issuing authority of this document does not assume responsibility for the identification of these patents.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee Dye (SAC/TC134) centralized.

This standard was drafted. Shenyang Chemical Research Institute Co., Ltd., Jiangsu Huaihe Chemicals Co., Ltd. Shenzhen Pan-sheng plastic additives.

1 Scope

This standard specifies the o, p-nitrotoluene requirements, safety information, sampling, test methods, inspection rules, marking, labeling, packaging, transportation and storage.

This standard applies to o, p-nitrotoluene product quality control.

Structure.

CH₃

NO₂

O-nitrotoluene

NO₂

CH₃

Nitrotoluene

Molecular formula. C₇H₇NO₂ Molecular weight. 137.14 (according to 2007 international relative atomic mass) Nitrotoluene CASRN. 88-72-2 Nitrotoluene CASRN. 99-99-0

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 190 dangerous goods packaging logo GB/T 191 Packing Pictorial marking (GB/T 191-2008, ISO 780:1997, MOD) GB/T 2386-2006 dyes and dye intermediates Determination of moisture content GB/T 6678-2003 General Principles for Sampling Chemical Products GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD) GB/T 8170-2008 represent numerical rounding rules and limit values judgment GB/T 9722-2006 General chemical reagent gas chromatography GB 12268-2005 of dangerous goods GB 12463 transport of dangerous goods packaging technology GB 15258 rules for preparation of chemical safety labels GB

15603 hazardous chemicals stored General Principles GB 16483 MSDS Content and Order

3 Requirements

Nitrotoluene quality requirements shall be in accordance with Table 1.

Nitrotoluene quality requirements shall be in accordance with Table 2.