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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3233-2012

Determination of o-Fluorotoluene, m-Fluorotoluene, p-Fluorotoluene for import and export

进出口邻氟甲苯、间氟甲苯、对氟甲苯含量测定

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Liaoning Province Exit Inspection and Quarantine.

1 Scope

This standard specifies the import and export o-fluoro toluene, m-fluoro-toluene, fluorine gas chromatographic method for toluene content.

This standard applies to the import and export o-fluoro toluene, m-fluoro-toluene, fluorotoluene determination.

2 Normative references

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

GB/T 6680 General rules for sampling liquid chemical products

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3 Method summary

After the sample is diluted with a solvent acetone by capillary column measurement with hydrogen flame ionization detector gas chromatography, the use of external Standard method.

4 Reagents and materials

4.1
acetone. chromatography.

4.2
o-fluoro toluene standards. purity >=98.50%.

4.3
fluorotoluene standards. purity >=98.50%.

4.4
pairs fluorotoluene standards. purity >=98.50%.

4.5
o-fluoro toluene, m-fluoro-toluene, fluorotoluene working solution for standard. namely Pipette 0.1mL o-fluoro toluene, m-fluoro-toluene, fluorotoluene standard Quasi product in 100mL volumetric flask with acetone to volume, the solution concentration of 0.1%.

4.6
mixed standard working solution. the preparation for the actual situation of concentration.

5 Apparatus

Gas chromatograph. with hydrogen flame ionization detector (FID).

6.1 Sampling and sample preparation

Performed according to GB/T 6680 regulations.

6.2 Chromatographic conditions

6.2.1
Column. FFAP capillary column (or equivalent post), 30m x 0.25mm (inner diameter) x 0.25μm.

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