Chinastandards.org

ICS 59.080
CCS W04

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3784-2014

Determination of 2, 4-dinitrotoluene in textiles for import and export - Gas chromatography/mass spectrometry

进出口纺织品中2，4一二硝基甲苯的测定 气相色谱一质谱法

(English Translation)

Issued on: January 13, 2014 **Implemented on: August 1, 2014**

Issued by: General Administration of Customs

Preview: page 1 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3784-2014

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

4 Reagents

5 Equipment and instruments

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 Zhejiang Exit Inspection and Quarantine, Shenzhen People's Republic of China Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the textiles 2,4-dinitrotoluene gas chromatography - mass spectrometry (GC/MS) detection.

This standard applies to all kinds of textiles and its products.

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 8170 repair value expressed about the rules and limit values and judgment Principle 3 Samples extracted with dichloromethane ultrasound after filtration, by gas chromatography - mass spectrometry (GC/MS), external standard.

4 Reagents

4.1

dichloromethane. HPLC grade.

4.2 2,4-dinitrotoluene (C7H6N2O4, CAS number. 121-14-2) standard substance. purity of

Preview: page 2 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3784-2014

not less than 99%.

4.3 2,4-dinitrotoluene standard stock solution. dichloromethane (4.1) to 2,4-dinitrotoluene standard samples (4.2) formulated in a concentration of about 1000μg/mL of stock solution.

4.4 2.4 dinitrotoluene standard working solution. A standard solution with methylene chloride (4.1) preparation of a concentration 1μg/mL, 3μg/mL, Standard working solution 5μg/mL, 7μg/mL and 10μg/mL or other suitable concentration.

NOTE: The standard stock solution at 0 °C ~ 4 °C dark preservation, valid for 6 months; standard working solution was stored at 0 °C ~ 4 °C under dark for a period of Two months.

5 Equipment and instruments

5.1
Gas chromatography - mass spectrometry (GC/MS). Hotels with electron impact ionization (EI).

5.2
Column. DB-5MS, 30m x 0.25mm x 0.25μm or equivalent person.

5.3
ultrasonic generator. operating frequency of 40kHz.

5.4
Analytical balance. with a sense of the amount of 0.0001g 0.01g.

5.5
Teflon filter needle head. 0.45μm.

5.6
Extractor. screw-top glass. 50mL.

Preview: page 3 of 3 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3784-2014