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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3225.1-2012

Textiles. Determination of triclosan. Part 1: High-performance liquid chromatography method

纺织品 三氯生的测定 第1部分：高效液相色谱法

(English Translation)

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Foreword

SN/T 3225 "Determination of triclosan Textiles" is divided into four parts.

--- Part 1. High performance liquid chromatography;

--- Part 2. gas chromatography;

--- Part 3. Gas chromatography - mass spectrometry;

--- Part 4. Gas chromatography/tandem mass spectrometry.

This section SN/T 3225 Part 1.

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

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

1 Scope

SN/T 3225 provisions of this part of the high performance liquid chromatography method textiles triclosan.

This section applies to the determination of textile materials and products triclosan.

2 Normative references

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

Laboratory use specifications and test methods GB/T 6682 Analysis Principle 3 Sample ultrasonic extraction with chloroform, and the extract was concentrated and treated by high performance liquid chromatograph, external standard.

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4 Reagents and materials

4.1
Water, GB/T 6682, level.

4.2
Methanol. chromatographically pure.

4.3
dichloromethane. AR.

4.4
Standard. triclosan, CASN o.3380-34-5, purity > 99.5%.

4.5
standard stock solution. accurately weighed amount of standard (4.4), formulated with methanol (4.2) to a concentration of 1000mg/L of triclosan standard Quasi stock solution.

4.6
standard solution. Standard stock solution Pipette an appropriate volume (4.5) with methanol (4.2) and diluting the standard of work required concentration as a solution.

NOTE: The standard stock solution at 0 °C ~ 4 °C stored in a refrigerator for a period of six months. Standard working solution at 0 °C ~ 4 °C stored in a refrigerator for a period of 3 months.

5 Instruments

5.1
High performance liquid chromatograph. equipped with a UV detector (UVD) or a diode array detector (DAD).

5.2
rotary evaporator.

5.3
ultrasonic generator.

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