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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3333-2012

Determination of the Blue colourant on import and export textiles. HPLC method

进出口纺织品中蓝色素的测定 高效液相色谱法

(English Translation)

Issued on: December 12, 2012 **Implemented on: July 1, 2013**

Issued by: General Administration of Customs

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Foreword

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

This standard by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Guangdong Entry-Exit Inspection and Quarantine of Zhejiang People's Republic of China Bureau, the Shenzhen People's Republic of China Entry-Exit Inspection and Quarantine Shandong People's Republic of China.

1 Scope

This standard specifies the use of high performance liquid chromatography (HPLC) Textiles - Determination of "blue pigment" (Formula. C39H23ClCrN7O12S. 2Na CAS. 118685-33-9) Content Measurement.

This standard applies to processed by the printing of various textile 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.

Laboratory use specifications and test methods GB/T 6682 Analysis

3 Terms and Definitions

The following terms and definitions apply to this document.

"Blue pigment" bluecolourant "Blue pigment" is a mixture of dyes belong to the category. The mixture comprises two components, respectively, having the formula C39H23ClCrN7O12S. 2Na (CAS Number. 118685-33-9) and C46H30CrN10O20S2. 3Na

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(No CAS). This standard "Blue pigment" means C39H23ClCrN7O12S. 2Na (CAS Number. 118685-33-9).

Principle 4

A mixed solution of methanol and potassium dihydrogen phosphate samples using ultrasonic extraction as the extraction agent, was analyzed by high performance liquid chromatography.

5 Reagents

Unless otherwise stated, use only analytical reagent grade water to comply with GB/T 6682 provisions tertiary water.

5.1
acetonitrile chromatography.

5.2
Methanol, HPLC grade.

5.3
potassium dihydrogen phosphate.

5.4
sodium hydroxide.

5.5 2mol/L sodium hydroxide solution. Weigh 40.0g of sodium hydroxide (5.4) dissolved in water and dilute to 500mL, shake spare.

5.6 5g/L potassium dihydrogen phosphate solution. Weigh potassium dihydrogen phosphate (5.3) 5.0g, dissolved in water and dilute to 1000mL, with 2mol/L of Sodium hydroxide solution (5.5) adjusted to pH 7.5, shake spare.

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