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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3716-2013

Determination of nonylphenol and nonylphenol polyethoxylate in electrical and electronic equipment. High performance liquid chromatography

电子电气产品中壬基苯酚及壬基苯酚聚氧乙烯醚的测定

(English Translation)

Issued on: November 6, 2013 **Implemented on: June 1, 2014**

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

This standard was drafted. People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the electrical and electronic products nonylphenol (NP) and nonylphenol ethoxylates (NPE-n, n = 1 ~ 16) of high-performance liquid Phase chromatography (HPLC) determination.

This standard applies to the determination of electrical and electronic products, nonylphenol and nonylphenol ethoxylates.

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 GB/Z20288 hazardous substances in electrical and electronic products in the test sample resolution General requirements

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3 Terms and Definitions

The following terms and definitions apply to this document.

Nonylphenol nolylphenol Referred to as the NP, nonylphenol formula C9H19C6H4OH, it is mainly composed of a class of p-nonylphenol (p-Nonylphenol, p-NP) mixtures of isomers.

Nonylphenol ethoxylates nolyphenolpolyethoxylate Abbreviated as NPE-n, nonylphenol polyoxyethylene ether of general molecular formula is (C2H4O) nC15H24O, n is 1 and the mole nonylphenol Ethoxy combined average number of moles, which is named for the NPE-n.

4 Method summary

The laboratory sample crushed to a prescribed particle size after ultrasonic extraction to the extraction solvent, and the extract was concentrated, the use with fluorescence detection HPLC separation and determination of the external standard method.

5 Reagents and materials

Unless otherwise specified, use only the gifted class pure reagents.

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