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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3255-2012

Determination of alkylphenols and alkylphenol polyethoxylates in the down and feather

水洗羽绒羽毛中烷基苯酚类及烷基苯酚聚氧乙烯醚类化合物的测定

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

1 Scope

This standard specifies the HPLC washed down feathers alkyl phenols and polyoxyethylene alkyl phenol ether compound (HPLC) and liquid chromatography - tandem mass spectrometry (LC-MS/MS).

This standard applies to the determination washing alkyl phenols and alkyl phenol polyoxyethylene ethers down feathers.

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/T 8170 repair value expressed about the rules and limit values and judgment

3 Terms and Definitions

The following terms and definitions apply to this document.

Alkyl phenols, APs the molecular structure of alkyl phenols of the general formula.

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R-C6H4-OH, referred to as AP. The standard refers to the common AP octylphenol [OP, C8H17-C6H4-OH] and nonylphenol [NP, C9H19-C6H4-OH].

Polyoxyethylene alkyl phenol ethers alkylphenolpolyethoxylates, APEOs Alkylphenol ethoxylates of the molecular structure of the general formula. R-C6H4- (OC2H4) nOH, referred APnEO. This standard APnEO it refers to the common octylphenol ethoxylates [OPnEO, C8H17-C6H4- (OC2H4) nOH] and nonylphenol ethoxylates [NPnEO, C9H19-C6H4- (OC2H4) nOH], see Appendix A.

Principle 4

The samples were methanol ultrasonic extraction by liquid chromatography or liquid chromatography - tandem mass spectrometer for qualitative and quantitative determination of external standard.

5 Reagents and materials

Unless otherwise specified, the reagents used were HPLC grade. Chromatography with water, a water line with GB/T 6682 regulations.

5.1
methanol.

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