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ICS 67.120.30
CCS X20

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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3585-2013

Inspection protocol for clindamycin for export live fish

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(English Translation)

Issued on: August 30, 2013 **Implemented on: March 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 Shandong CIQ.

1 Scope

This standard specifies the export of live fish clindamycin residual liquid chromatography, liquid chromatography tandem mass spectrometry technical specifications.

This standard is applicable to the export of live fish clindamycin Residues.

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 Reagents and materials

Unless otherwise indicated, the reagents used were of analytical grade water as a water GB/T 6682 regulations.

3.1

Methanol. chromatographically pure.

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3.2
acetonitrile. chromatography.

3.3
n-hexane. chromatographically pure.

3.4
potassium dihydrogen phosphate.

3.5
phosphoric acid.

3.6 0.1mol/L phosphate buffer (pH = 2.5). 13.61g potassium dihydrogen phosphate was dissolved in 1L of water, the solution was adjusted with phosphoric acid pH = 2.5, the preparation before use.

3.7
methanol - water (28 volume ratio).200mL and 800mL of methanol mixed with water after shaking shake.

3.8
acetonitrile - water (11 volume ratio). 50mL and 50mL acetonitrile water mixture was shaken shake.

3.9
clindamycin standard substance. clindamycin (molecular formula. C18H33ClN2O5S; CAS Number. 18323-44-9), purity >=98%.

3.10
clindamycin standard stock solution. 1.0mg/mL. Weigh accurately 10.0mg clindamycin standard substance into 10mL volumetric flask are dissolved in methanol and set the volume to the mark, -18 °C stored.

3.11
clindamycin intermediate standard solution. 10.0μg/mL. Pipette 0.1mL standard stock solution in 10mL volumetric flask with methanol to the mark, 4 °C stored.

3.12
clindamycin standard solution. Pipette appropriate amount of the intermediate standard solution with the blank sample extract volume to 1.0mL, preparation 25ng/mL ~ 500ng/mL standard solution series matrix for liquid chromatography - tandem mass spectrometry with. preparation 0.25μg/mL ~ 5μg/mL series of standard working solution for liquid chromatography measurement. Preparation before use.

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3.13
OasisHLB SPE or equivalent person. 500mg, 6mL (or equivalent person) before use, respectively 3mL methanol, 3mL Water activated.

3.14
filter. 0.22μm.

4 Instrument

4.1
high performance liquid chromatography.

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