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CCS X04

SN

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3726-2013

**Determination of enestroburin residues in foods for export
(English Translation)**

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Foreword

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

Some elements of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

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

This standard was drafted. People's Republic of China Zhuhai Entry-Exit Inspection and Quarantine Bureau, Zhuhai Water Group Limited Water Quality Monitoring center.

1 Scope

This standard specifies the foods enestroburin residues in liquid chromatography - mass spectrometry/mass spectrometry.

This standard applies to cabbage, cucumbers, tomatoes, grapes, citrus, rice, corn, soybeans, shrimp, pork, honey, tea enestroburin Determination of residues and confirmation.

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 Method summary

The sample enestroburin extracted with acetonitrile, using matrix dispersive SPE purification agent, liquid chromatography - mass spectrometry/mass spectrometer, outside

Standard method.

4 Reagents and materials

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

4.1

acetonitrile. chromatography.

4.2

formic acid. Chromatographic pure.

4.3

Methanol. chromatographically pure.

4.4

sodium chloride.

Ammonium acetate 4.5. HPLC grade.

4.6

anhydrous magnesium sulfate (MgSO₄).

4.7

N- secondary amine (PSA) sorbent. diameter of 40μm ~ 60μm.

4.8

octadecylsilane (ODS) bonded phase adsorbents (C18). particle diameter of 40μm ~ 60μm.

4.9

Dispersive Solid Phase Extraction agent. 200mgMgSO₄ (4.6), 100mgPSA (4.7), 100mgC18 (4.8).

4.10 5mmol/L ammonium acetate solution. Weigh 0.3854g ammonium acetate (4.5), with the amount of water dissolved, 1mL formic acid (4.2), plus Water volume to 1000mL, and mix.

4.11

enestroburin Standards. Enestroburin, CAS number. 238410-11-2, purity of greater than or equal to 90%.

4.12

enestroburin standard stock solution. accurately weighed amount of reference material, formulated with methanol (4.3) to a concentration of 1.0mg/mL standard Quasi stock

solution, this solution was transferred to the reservoir bottle stored at -18 °C 6 months.

4.13

intermediate standard solution. Imbibe right amount enestroburin standard stock solution (4.12) in 50mL volumetric flask, diluted with methanol and concentrated Intermediate standard solution degree of 10µg/mL, and this solution was transferred to reservoir bottle stored at -18 °C 6 months.

4.14

matrix blank solution. negative samples of different substrates were treated in accordance with 7.1 after the resulting solution.

4.15

matrix standard solution. (4.13), diluted with matrix blank solution according to the experimental needs to draw an appropriate amount of the intermediate standard solution appropriate concentration