

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

SN/T 2230-2008

Replacing SN 0203-1993

**Determination of procymidone residues in foods for import and
export. GC-MS method**

进出口食品中腐霉利残留量的检测方法 气相色谱-质谱法

(English Translation)

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Foreword

This standard replaces SN 0203-1993 "export wine procymidone residues in." this standard compared with SN 0203-1993 main changes are as follows.

--- Deleted SN 0203-1993 "2 sampling and sample preparation," adds "5 Sample Preparation and Storage";

--- Determination by gas chromatography to gas chromatography - mass spectrometry;

--- Expanding the detection method is suitable for a range of sample matrices.

Appendix A of this standard is an informative annex.

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

This standard was drafted. People's Republic of China Hunan Entry-Exit Inspection and Quarantine of Jilin People's Republic of China Bureau, People's Republic of China Zhejiang Entry-Exit Inspection and Quarantine of Jiangsu People's Republic of China, People's Republic of China Xinjiang CIQ.

1 Scope

This standard specifies the import and export food procymidone residues by gas chromatography - mass spectrometry method.

This standard applies to tea, orange, chestnut, wine, onion, millet, honey, fish, chicken, liver procymidone residues determination and confirmation.

2 Method summary

Sample acetone - n-hexane shaking extraction, graphite carbon black SPE or neutral alumina solid phase extraction (SPE) and gas chromatography -Mass Spectrometry and

validation, external standard.

3 Reagents and materials

Unless otherwise specified, all reagents were of analytical grade, water is distilled water.

3.1

hexane. redistilled.

3.2

acetone. redistilled.

3.3

sodium chloride.

3.4

anhydrous sodium sulfate. After burning 650 °C 4h, the dryer use.

3.5

acetone - n-hexane (1 + 2, volume ratio). Take 100mL acetone, n-hexane was added 200mL, shake spare.

3.6

acetone - n-hexane (1 + 1, volume ratio). Take 200mL acetone, n-hexane was added 200mL, shake spare.

3.7

procymidone standard substance (Procymidone, C₁₃H₁₁Cl₂NO₂, CAS number. 32809-16-8). purity of greater than 99%.

3.8

procymidone standard stock solution. accurately weighed amount of procymidone standard substance with acetone formulated to 1000µg/mL standard stock Liquid, and then diluted to the appropriate concentration of standard working solution with n-hexane according to testing requirements. Standard solution in the dark at 4 °C preservation, period 6 months.

3.9

graphitized carbon black SPE. 3mL, 125mg, or equivalent person.

3.10

neutral alumina SPE. 3mL, 125mg, or equivalent person.

4 Instruments and equipment

4.1

Gas chromatography - mass spectrometry with electron impact ionization (EI source).

4.2

Organization mashed machines.

4.3

mill.

4.4 Analysis of balance. a sense of the amount of 0.0001g

4.5 Vortex device.

4.6 Solid phase extraction unit with a vacuum pump.

4.7 Centrifuge. 5000r/min.

4.8 tube. 15mL.

4.9 Scale tube. 15mL.

4.10 micro syringe. 10 μ L.