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SN

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

SN/T 3862-2014

**Determination of nereistoxinic pesticide residues in foodstuffs
for export - GC method
(English Translation)**

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Foreword

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

Please note that some of the content 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 Beijing Entry-Exit Inspection and Quarantine Bureau, Chinese Academy of Inspection and Quarantine.

1 Scope

This standard specifies the foods CARTAP, insecticidal Central, Dimehypo, bensultap, Monitoring for Nereis toxic pesticide residues gas chromatography Screening assay methods.

This standard applies to rice, corn, potato, spinach, onions, oranges, cherries, beans, peppers, mushrooms and other foods to kill dark red, insecticidal Ring, Bisultap, bensultap, Monitoring for Nereis toxic pesticide residues screening assay.

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

Sample remaining CARTAP, insecticidal Central, Dimehypo, bensultap, Monitoring for Nereis toxic pesticide use cysteine containing 1% L-Hydrochloride 0.1mol/L hydrochloric acid, shaking extraction, under alkaline conditions is converted to NTX, capillary column separation, distribution Flame photometric detector (with sulfur filter) GC detection, external standard.

4 Reagents and materials

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

4.1

ammonia.

4.2

of concentrated hydrochloric acid.

4.3

formic acid.

4.4

hexane. HPLC grade.

4.5

nickel chloride.

4.6

sodium chloride.

4.7

L- cysteine hydrochloride.

4.8 0.1mol/L hydrochloric acid solution. 8.3mL amount of concentrated hydrochloric acid (4.2), water volume to 1L.

4.9 1% formic acid solution. Weigh 10g (accurate to 0.1g) formic acid (4.3), water volume to 1L, at 2 °C ~ 8 °C preservation.

0.1mol L hydrochloric acid solution containing 1% L- cysteine 4.10 hydrochloride /. Weigh 10g (accurate to 0.1g) L- cysteine hydrochloride (4.7), with 0.1mol/L hydrochloric acid (4.8) was dissolved and set the volume to 1L, saving six months at room temperature.

4.11 2% nickel chloride solution. Weigh 20g (accurate to 0.1g) nickel chloride, water volume to 1L, saving six months at room temperature.

4.12

The pesticide standards. CARTAP hydrochloride, insecticidal Central oxalate, Dimehypo, bensultap, Shachongdan and NTX oxalate purity Was $99\% \pm 0.5\%$, related information, see Appendix A.

4.13

Nereis toxic pesticide standard stock solution. weigh the amount Nereis toxic pesticide standards to 10mL volumetric flask, with 1% formic acid