

CCS X04



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

GB/T 23207-2008

**Determination of 485 pesticides and related chemicals residues
in fugu, eel and prawn - GC-MS method**

河豚鱼、鳗鱼和对虾中485种农药及相关化学品残留量的测定 气相色谱-质谱法

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Foreword

The Standard Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix F for the informative appendix. This standard is proposed and managed by the State Administration of Quality Supervision Inspection and Quarantine of People's Republic of China. This standard was drafted. People's Republic of China Qinhuangdao Exit Inspection and Quarantine, Shandong Agricultural University. The main drafters of this standard. Pang Guofang, Cheng Feng, Individual Students Wangming Lin, Liu Yongming, Cao Jing. Fugu, eel and prawn 485 kinds of pesticides and related Determination of chemical residues by gas chromatography - mass spectrometry

1 Scope

GB/T 23207-2008 is the Chinese national standard on determination of 485 pesticides and related chemicals residues in fugu, eel and prawn - gc-ms method. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS (ICS) , CCS X04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the puffer fish, eel and prawn 485 kinds of pesticides and related chemicals (see Appendix A and Appendix F) Residue Gas Chromatography - mass spectrometry. This standard applies to qualitative identification fugu, eel and prawn 485

kinds of pesticides and related chemicals residues, which also applies to 402 kinds of pesticides and related chemicals were measured. 402 kinds of standard quantitative determination of this pesticide and related chemicals detection limit is 0.0025mg/kg ~ 0.6000mg/kg (see Appendix A).

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6379.1 measurement methods and results of Accuracy (trueness and precision) - Part 1. General principles and definitions (GB/T 6379.1-2004, ISO 5725-1.1994, IDT)

GB/T 6379.2 measurement methods and results of Accuracy (trueness and precision) - Part 2. Determine the standard measurement method to repeat Of the basic methods of reproduction (GB/T 6379.2-2004, ISO 5725-2.1994, IDT)

GB/T 9695.19 Meat and meat sampling method (

GB/T 9695.19-1988, neq ISO /DIS3100-1. 1984) Principle

3 Samples with cyclohexane + ethyl acetate (1 + 1) homogeneous extraction, purification by gel permeation chromatography, gas chromatography - mass spectroscopy, internal standard method Quantified.

4 Reagents and materials

4.1 Toluene. chromatography.

4.2 Cyclohexane. chromatography.

4.3 ethyl acetate. chromatography.

4.4 hexane. chromatographically pure.

4.5 acetone. chromatography.

4.6 dichloromethane. chromatography.

4.7 microfiltration membrane (nylon). 13mm x 0.45µm.

4.8 anhydrous sodium. AR. Before scorching at 650 °C 4h, stored in a desiccator, cool reserve. A mixed solvent of ethyl acetate and cyclohexane + 4.9. 1 + 1 (volume ratio).

4.10 pesticides and related chemicals standard substance. purity >=95%.

4.11 pesticides and related chemicals standard solution

4.11.1 Standard stock solution Accurately weighed 5mg ~ 10mg (accurate to 0.1mg) of pesticides and related chemicals each standard was put into 10mL volumetric flask, root

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