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

**中华人民共和国国家标准**

GB/T 19650-2006  
Partial Replace GB/T 19650-2005

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**Method for determination of 478 pesticides and related  
chemicals residues in animal muscles - GC-MS method**  
**动物肌肉中 478 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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Standardization Administration of the People's Republic of China (SAC)

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# Method for determination of 478 pesticides and related chemicals residues in animal muscles - GC-MS method

## 1. Scope

This standard specifies GC-MS and LC-MS-MS method for determination of 478 pesticides and related chemicals (see Annex A) residues in pork, beef, lamb, rabbit and chicken.

This standard is applicable to the determination of 478 pesticides and related chemicals residues in pork, beef, lamb, rabbit and chicken.

The detection limit of the method in this standard is 0.0025 - 0.3000 mg/kg (see Annex A).

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 5491 Inspection of grain and oilseeds—Methods for sampling and sample reduction

GB/T 6379.1 Accuracy (trueness and precision of measurement methods and results - Part 1: General principles and definitions (GB/T 6379.1-2004, ISO 5725-1: 1994, IDT)

GB/T 6379.2 Accuracy (trueness and precision) of measurement methods and results - Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method (GB/T 6379.2-2004, ISO 5725-2: 1994, IDT)

GB/T 9695.19 Meat and meat products – Sampling (GB/T 9695.19-1998, neq ISO/DIS 3100-1: 1984)

## 3. Principle

Use cyclohexane + ethyl acetate (1 + 1) for homogeneous extraction of the sample; after the constant volume of the concentrated solution, use gel permeation chromatography for purification, for the detection by gas chromatography - mass spectrometer.

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