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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 20769-2008
Replace GB/T 20769-2006

**Determination of 450 pesticides and related chemicals
residues in fruits and vegetables — LC-MS-MS method
水果和蔬菜中 450 种农药及相关化学品残留量的测定
液相色谱-串联质谱法**

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Determination of 450 pesticides and related chemicals residues in fruits and vegetables — LC-MS-MS method

1. Scope

This standard specifies the liquid chromatography-tandem mass spectrometry (LC-MS-MS) method for determination of 450 pesticides and related chemicals residues in apple, orange, cabbage, celery and tomato (see Annex A and Annex E).

This standard is applicable to quantitative identification of 450 pesticides and related chemicals residues in apple, orange, cabbage, celery, and tomato, and quantitative determination of 381 pesticides and related chemicals residues.

The detection limit of the method for quantitative determination of 381 pesticides and related chemicals in this standard is 0.01 μ g/kg - 0.606 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/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 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-2008, ISO 3696: 1987, MOD)

GB/T 8855 Fresh fruits and vegetables – Sampling (GB/T 8855-1988, eqv ISO 874: 1980)

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