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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 23211-2008

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**Determination of 493 pesticides and related chemicals  
residues in milk and milk powder - LC-MS-MS method  
牛奶和奶粉中 493 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 493 pesticides and related chemicals residues in milk and milk powder - LC-MS-MS method**

## **1. Scope**

This standard specifies the determination method of liquid chromatography - tandem mass spectrometry (LC-MS-MS) for 493 pesticides and related chemicals residues in milk and milk powder (see Annex A and Annex E).

The standard is applicable to the qualitative identification for 482 pesticides and related chemicals and 441 pesticides and related chemicals in the milk, as well as for 481 pesticides and related chemicals and 427 sorts of pesticides and related chemicals in the milk powder.

The detection limit of the method for quantitative determination of 441 pesticides and related chemicals in this standard is 0.01 $\mu$ g/L – 2.41 mg/L. (See Annex A); the limit for the quantitative identification for the 427 pesticides and related chemicals in milk is ranging from 0.04 $\mu$ g/kg – 8.04mg/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)



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