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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 23214-2008

**Determination of 450 pesticides and related chemicals
residues in drinking water—LC-MS-MS method
饮用水中 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 drinking water—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 drinking water (see Annex A and Annex E).

This standard applies to qualitative identification for 450 kinds of pesticides in drinking water and related chemicals, also applies to quantitative determination for 427 kinds of pesticides and related chemicals.

The detection limit of the method for quantitative determination of 427 pesticides and related chemicals in this standard is $0.010\mu\text{g/L} \sim 0.065\text{mg/L}$ (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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