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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 23204-2008

**Determination of 519 pesticides and related chemicals
residues in teas - GC-MS method**

**茶叶中 519 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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Determination of 519 pesticides and related chemicals residues in teas - GC-MS method

1. Scope

This standard specifies the gas chromatograph-mass spectrometer (GC-MS) measurement method of residual quantity of 490 kinds of pesticides and related chemicals in green tea, black tea, Pu'er tea and oolong tea, as well as chromatograph-mass spectrometer measurement method of residual quantity of 29 kinds of acidic herbicide in green tea, black tea, Pu'er tea and oolong tea (see Annex A and Annex F).

This standard applies to qualitative identification of 490 kinds of pesticides and related chemicals in green tea, black tea, Pu'er tea and oolong tea, of which 453 kinds of pesticides and related chemicals can be qualitatively measured. At the same time, 29 kinds of acidic herbicide in green tea, black tea, Pu'er tea and oolong tea, including clopyralid, cloprop, 4-CPA, dicamba, 2M-4X, 2,4-DP, Bromoxynil, 2,4-D, triclopyr, NAA, Pentachlorophenol, dichlorprop, chloramben, MCPB, fenoprop, fluroxypyr, 2,4-DB, bentazone, loxynil, Picloram, Quinclorac, fluazifop-butyl, haloxyfop, Barnon, Acifluorfen, Pyriithiobac-sodium, Fenhexamid, quizalofop-ethyl, bispyribac-sodium can also be qualitatively measured.

The detection limit of the 453 kinds of pesticides and related chemicals quantitatively determined by the method in this standard is 0.001 - 0.500 mg/kg (see Annex A); the detection limit of 29 acidic herbicide is 0.01 mg/kg.

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:

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