

CCS X04



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

GB/T 22979-2008

**Determination of boscalid residues in milk and milk powder -
GC-MS method**

牛奶和奶粉中啮酰菌胺残留量的测定 气相色谱-质谱法

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Foreword

The Standard Appendix A, Appendix B are informative appendices. This standard is proposed and managed by the State Administration of Quality Supervision Inspection and Quarantine of People's Republic of China. This standard was drafted. People's Republic of China Qinhuangdao Exit Inspection and Quarantine, Inner Mongolia, People's Republic of China Entry-Exit Inspection and Quarantine Bureau. The main drafters of this standard. Pan Guoqing, ZHANG Chun-yan, Baiguo Tao, Zheng Book Fair, to Liu Jun, Li, Zhang Wei, Pang Guofang. Milk and milk powder Boscalid measured amine residues Gas chromatography - mass spectrometry

1 Scope

GB/T 22979-2008 is the Chinese national standard on determination of boscalid residues in milk and milk powder - gc-ms method. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS (ICS) , CCS X04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the milk and milk powder boscalid residues by gas chromatography - mass spectrometry. This standard applies to milk and milk powder Boscalid measured amine residues. The standard detection limit. milk 0.010mg/kg; milk was 0.080mg/kg.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to

the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6379.1 measurement methods and results of Accuracy (trueness and precision) - Part 1. General principles and definitions (GB/T 6379.1-2004, ISO 5725-1.1994, IDT)

GB/T 6379.2 measurement methods and results of Accuracy (trueness and precision) - Part 2. Determine the standard measurement method to repeat Of the basic methods of reproduction (GB/T 6379.2-2004, ISO 5725-2.1994, IDT)

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) Principle

3 Sample of boscalid extracted with acetonitrile extract by salting, centrifugation, concentration and solvent exchanged by gel permeation chromatography, eluted with Gas chromatography - mass spectrometer, external standard.

4 Reagents and materials

Unless otherwise indicated, the reagents used were of analytical grade water as a water GB/T 6682 regulations.

4.1 acetonitrile. chromatography.

4.2 ethyl acetate. chromatography.

4.3 Cyclohexane. chromatography.

4.4 anhydrous sodium. 650 °C burning 4h, cooled in a desiccator to room temperature and stored in a sealed bottle aside.

4.5 sodium chloride.

4.6 ethyl acetate - cyclohexane. ethyl acetate (4.2) and cyclohexane (4.3) were mixed according to

1.1 volume ratio.

4.7 boscalid standard. purity of greater than 98%.

4.8 boscalid standard stock solution. Weigh accurately a certain amount of boscalid standard with ethyl acetate - (4.6) dubbed cyclohexane solution Standard stock solution 0.10mg/mL, and stored in the dark at 4 °C.

4.9 boscalid standard solution. draw the right amount of boscalid standard stock solution as needed, using ethyl acetate - cyclohexane (4.6) into a standard working solution by diluting the appropriate concentration, at 4 °C stored.

4.10 Boscalid amine-standard working solution. to draw an appropriate amount of boscalid

standard working solution as needed, with a negative sample extract with Having a concentration in the range of 0.010µg/mL ~ 0.50µg/mL series matrix of standard working solution, and the solution should be using now.

4.11 Membrane. 0.2µm.

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