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

GB/T 19567.2-2025

Replacing GB/T 19567.2-2004

Bacillus thuringiensis suspension concentrate

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 19567.2-2004 "Bacillus thuringiensis Suspension". Compared with GB/T 19567.2-2004, except for the following. Aside from structural adjustments and editorial changes, the main technical changes are as follows:

---The appearance has been changed (see 4.1,

3.1 from the 2004 version);

---An 8000 IU/ μ L specification and its control parameters have been added (see 4.2);

---The instructions for the test insects used in the determination of the virulence potency of Bacillus thuringiensis suspension have been revised (see 4.2,

3.2 in the 2004 edition);

---The protein mass fraction index for Bacillus thuringiensis suspension has been modified (see 4.2,

3.2 in the 2004 edition);

---The pH value specification for Bacillus thuringiensis suspension has been changed (see 4.2,

3.2 in the 2004 edition);

---The wet screening test for Bacillus thuringiensis suspension has been modified (see 4.2, 3.2 in the 2004 edition);

---Added the pourability index and test method for Bacillus thuringiensis suspension (see 4.2, 5.9);

1 Scope

GB/T 19567.2-2025 is the Chinese national standard covering the Bt suspension concentrate - the toxin potency and the viable spore count, the suspensibility and the redispersion after settling, the viscosity and the pH, and the storage stability of live spores in a water-based formulation. Part 2 of the series, completing it with Parts 1 and 3 revised the same day. It replaces GB/T 19567.2-2004, in force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026, replacing GB/T 19567.2-2004.

This document specifies the technical requirements, inspection rules, acceptance and quality guarantee period for *Bacillus thuringiensis* technical materials, as well as their marking, labeling, packaging, and storage. The study described the experimental methods for the *Bacillus thuringiensis* parent drug. This document applies to the quality of *Bacillus thuringiensis* subsp. *cathayensis* (Bta) and *Bacillus thuringiensis* subsp. *kustack* (Btk) suspension products. control.

Note. Other names, taxonomic status, and morphological characteristics of *Bacillus thuringiensis* are described in Appendix A.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 1601 Method for Determination of pH Value of Pesticides

GB/T 1604 Rules for Acceptance of Commercial Pesticides

GB/T 1605-2001 Sampling Methods for Commercial Pesticides

GB 3796 General Rules for Pesticide Packaging

GB/T 8170-2008 Rules for rounding off numerical values and the representation and determination of limiting values

GB/T 14825-2023 Method for Determination of Pesticide Suspension Rate

GB/T 16150-1995 Method for Determination of Fineness of Pesticide Powders and Wettable Powders

GB/T 19136-2021 Determination of thermal storage stability of pesticides

GB/T 19137-2003 Determination of Low-Temperature Stability of Pesticides

GB/T 28137 Determination of persistent foaming properties of pesticides

GB/T 31737 Determination of Pesticide Dumping Properties

GB/T 32776-2016 Method for Determination of Pesticide Density

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 toxin protein A parasporal crystal protein with insecticidal activity produced during spore formation.

3.2 Toxicity potency Biological indicators of the differences in the lethality or inhibitory ability of microorganisms against target harmful organisms.

4 Technical Requirements

4.1 Appearance A free-flowing, easily measurable suspension; sediment may occur during storage, but it should return to its original state after being shaken by hand, and there should be no clumping.