ICS 65.100.10
CCS G 25

# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA



# GB/T 19567.3-2025

Replacing GB/T 19567.3-2004

## Bacillus thuringiensis wettable powder

苏云金杆菌可湿性粉剂

**Issued on: October 31, 2025** **Implemented on: May 1, 2026**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of the PRC**

# Table of Contents





## 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 supersedes GB/T 19567.3-2004 "Bacillus thuringiensis Wettable Powder" and is consistent with GB/T 19567.3-2004. Aside from structural adjustments and editorial changes, the main technical changes are as follows:

---Added the persistent foaming property index and test method for Bacillus thuringiensis wettable powder (see 4.2, 5.12);

---Added low-temperature stability indicators and test methods for Bacillus thuringiensis wettable powder (see 4.2, 5.13);

---Added thermal storage stability indicators and test methods for Bacillus thuringiensis wettable powder (see 4.2, 5.14);

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

3.2 in the.2004 edition);

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

3.2 in the.2004 edition);

---The wetting time specification for Bacillus thuringiensis wettable powder has been modified (see 4.2,

3.2 in the.2004 edition);

---Added inspection rules (see Chapter 6);

---The shelf life of Bacillus thuringiensis wettable powder has been revised (see 7.2,

6.5 of the.2004 edition);

## 1 Scope

GB/T 19567.3-2025 is the Chinese national standard covering Bt as a formulated product - the toxin potency expressed in international units rather than by weight, the viable spore count, the suspensibility and wetting time, the moisture and pH, and the storage stability of a living active ingredient. It replaces GB/T 19567.3-2004, a standard twenty-one years old. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 19567.3-2004.

This document specifies the technical requirements, inspection rules, acceptance procedures, quality guarantee period, and marking, labeling, and packaging of Bacillus thuringiensis wettable powder. The packaging, storage, and transportation of Bacillus thuringiensis wettable powder are described, along with the test methods. This document applies to wettable powder products of Bacillus thuringiensis subsp. tuna (Bta) and Bacillus thuringiensis subsp. Kustack (Btk). Quality 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 1600-2021 Method for Determination of Moisture Content in Pesticides

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 5451 Determination of wettability of pesticide wettable powders

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 28137 Determination of persistent foaming properties of pesticides

## 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 The powder should be uniform and loose, without any lumps.