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CCS B 17



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

GB/T 13917.8-2025

Replacing GB/T 13917.8-2009

**Laboratory efficacy test methods and criteria of public health
insecticides for pesticide registration - Part 8: Dustable powder
and chalk**

农药登记用卫生杀虫剂室内药效试验及评价 第8部分：粉剂、笔剂

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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 is Part 8 of GB/T 13917 "Indoor Efficacy Tests and Evaluation of Sanitary Insecticides for Pesticide Registration". GB/T 13917 The following sections have been released.

3. Tobacco Agents and Tobacco Sheets;

4. Mosquito Coils;

5. Electric Mosquito Repellent Mats;

6. Electric Mosquito Repellent Liquid;

8. Powders and Pencils;

10. Simulated Scene This document replaces GB/T 13917.8-2009 "Indoor Efficacy Testing and Evaluation of Sanitary Insecticides for Pesticide Registration - Part

8. Powders, Compared with GB/T 13917.8-2009, the main technical changes in the "Pen-type Dosage Forms" are as follows, apart from structural adjustments and editorial modifications.

a) The scope of application has been changed (see Chapter 1, Chapter 1 of the 2009 edition);

b) Added the terms and definitions for "powder," "pen," and "mortality rate" (see 3.1, 3.2, and 3.3);

c) Requirements for test materials have been added (see 4.1);

- d) Bedbugs were added as a test material (see 4.2.4);
- e) The test conditions were changed (see Chapter 6,

1 Scope

GB/T 13917.8-2025 is the Chinese national standard on laboratory efficacy test methods and criteria of public health insecticides for pesticide registration - part 8: dustable powder and chalk, in the field of agriculture. 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 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026.

Classification: ICS 65.100, CCS B 17. 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 document describes the indoor efficacy testing methods and evaluation of test results for pesticide powders and pencils used for pesticide registration. This document applies to the efficacy determination and evaluation of powder and pen formulations for killing cockroaches, ants, fleas, and bedbugs during pesticide registration.

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 19378-2017 Pesticide Formulation Names and Codes

GB/T 31721-2015 Terminology and Classification for Vector-borne Disease Control

NY/T 1964.4 Indoor testing methods for sanitary insecticides for pesticide registration - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 19378-2017, as well as the following terms and definitions, apply to this document.

3.1 Dustable powder Suitable for spraying or spreading free-flowing powdered preparations containing active ingredients. [Source: GB/T 19378-2017, 2.2.1.1]

3.2 chalk The active ingredients are mixed with gypsum powder and additives or

impregnated with absorbent liquid to form a pen-like preparation that can be applied directly.

3.3 Mortality Under a certain drug dosage or concentration, the percentage of target organisms that die per unit time out of the total number of individuals.

4 Test materials

4.1 Test reagents Set the dosage of the test reagent according to the experimental requirements. Specify the Chinese/English common name or code of the reagent, dosage form, active ingredient content, and production details. Company, production date or batch number, etc.