ICS 65.100.10
CCS G 25

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 6694-2025

Replacing GB/T 6694-1998

Fenvalerate technical material

氰戊菊酯原药

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

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

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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 6694-1998 "Cypermethrin Technical Grade". Compared with GB/T 6694-1998, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

---The technical requirements for appearance have been changed (see 4.1,

3.1 in the.1998 edition);

---The mass fraction of cypermethrin has been changed (see 4.2,

3.2 in the.1998 edition);

---The ranking system has been removed (see section

3.2 of the.1998 edition);

---The sampling method has been changed (see 5.2,

4.1 of the.1998 edition);

---An infrared spectroscopy identification test has been added (see 5.3.1);

---The method for determining the mass fraction of cypermethrin has been revised (see 5.5,

4.3 of the.1998 edition, and Appendix A);

---The method for determining moisture content has been changed (see 5.6,

1 Scope

GB/T 6694-2025 is the Chinese national standard covering fenvalerate technical - the assay and the isomer ratio, which matters because the insecticidal activity sits in particular isomers, the related impurities, the moisture and acidity, and the analytical methods. It

replaces GB/T 6694-1998, a standard twenty-seven years old, under the Ministry of Agriculture and Rural Affairs. In force from 1 May 2026. It was issued on 31 October 2025 and has been in force since 1 May 2026, replacing GB/T 6694-1998. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the technical requirements, inspection rules, acceptance and quality guarantee period for cypermethrin technical grade, as well as its marking, labeling, packaging, and storage. The test method for cypermethrin technical grade is described. This document applies to the quality control of cypermethrin technical products.

Note. Other names, structural formulas and basic physicochemical parameters of cypermethrin can be found 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 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 28135-2011 Determination of Acidity (Alkalinity) of Pesticides - Indicator Method

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Technical Requirements

4.1 Appearance A yellow to brown viscous liquid that sometimes forms partial crystals at room temperature.

4.2 Technical Specifications Cypermethrin technical grade should meet the requirements in

Table 1. Table

1 Technical Specifications of Cypermethrin Technical Grade Project Indicators Cypermethrin mass fraction/% >=

93.0 The ratio of cypermethrin alpha-form to cypermethrin beta-form is <=1.2. Moisture/% <=

0.2 Acidity (as H2SO4)/% <=0.1