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

GB 6694-1998

Replacing GB/T 6694-1998

**Fenvalerate technical material
(English Translation)**

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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, 4.4 in the 1998 edition);

---The method for determining acidity has been changed (see 5.7, 4.5 in the 1998 edition);

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

---Security has been removed (see 5.6 of the 1998 version).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Pesticide Standardization (SAC/TC133).

1 Scope

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.

4.1 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