

ICS 65.100.10  
CCS G 25



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

**GB 20695-2006**

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**Lambda-cyhalothrin technical material  
(English Translation)**

**Issued on: January 1, 1970**

**Implemented on: January 1, 1970**

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**Issued by: State Administration of Market Supervision and  
Administration**

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### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 20695-2006 "Lambda-cyhalothrin Technical", this standard is compared with GB/T 20695-2006, except for the main technical changes besides the editorial modification are as follows.

- Modified the description of the appearance (see 3.1, 3.1 in the 2006 edition);
- Modified the quality score index of Lambda-cyhalothrin (see 3.2, 3.2 in the 2006 edition);
- Modified the moisture index (see 3.2, 3.2 in the 2006 edition);
- Modified the acetone insoluble index (see 3.2, 3.2 in the 2006 edition);
- Modified the solvent of the internal standard solution of gas chromatography (see 4.3.2.2.5, 4.3.2.2 of the 2006 edition);
- Modified the acidity determination method (see 4.5, 4.4 in 2006 edition);
- Adjust "sampling" to the chapter "inspection rules", and the title is changed to "sampling" (see 5.1, 4.1 in 2006 edition);
- Added a chapter "Inspection Rules" (see Chapter 5);
- The acceptance period index has been deleted, and the quality assurance period index has been added (see 6.2, 5.6 in the 2006 edition).

This standard was proposed by the China Petroleum and Chemical Industry Federation.

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

Drafting organizations of this standard. Jiangsu Yangnong Chemical Co., Ltd., Jiangsu Chunjiang Runtian Agrochemical Co., Ltd., Chuangxin Meilan (Hefei) Co., Ltd.

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## 1 Scope

This standard specifies the technical requirements, test methods, inspection rules, acceptance and quality assurance periods, and signs, Labeling, packaging, storage and transportation.

This standard is applicable to the lambda-cyhalothrin original drug which is composed of lambda-cyhalothrin and the impurities produced in its production.

**Note:** See Appendix A for other names, structural formulas and basic physical and chemical parameters of lambda-cyhalothrin.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 1600-2001 Pesticide moisture determination method GB/T 1604 Acceptance Rules for Commodity Pesticides GB/T 1605-2001 Commercial pesticide sampling method GB 3796 General Rules for Pesticide Packaging GB/T 8170-2008 Numerical rounding rules and the expression and determination of limit values GB/T 19138 Method for determination of pesticides insoluble in acetone GB/T 28135-2011 Pesticide acid (alkalinity) determination method indicator method

### 3.1 Appearance

Off-white solid, no visible foreign matter and added modifiers.

### 3.2 Technical indicators

Lambda-cyhalothrin technical materials should meet the requirements of Table 1.

Table 1 Technical indicators of Lambda-cyhalothrin technical specifications

Project indicators

Lambda-cyhalothrin mass fraction/%  $\geq 96.0$  Moisture/%  $\leq 0.3$  Acidity (as H<sub>2</sub>SO<sub>4</sub>)/%  $\leq 0.3$   
Acetone insoluble matter a/%  $\leq 0.2$  a During normal production, the acetone insoluble matter shall be determined at least once every 3 months.