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

GB 22614-2008

Replacing GB/T 22614-2008, GB/T 22615-2008

Clethodim technical

烯草酮原药

(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 22614-2008 "clethodim technical substance" and GB/T 22615-2008 "clethodim emulsifiable concentrate", and is consistent with Compared with GB/T 22614-2008 and GB/T 22615-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the mass fraction index of clethodim in clethodim technical material (see 4.2, 3.2 of GB/T 22614-2008);
- Deleted the acetone-insoluble items and indicators in clethodim technical material (see 4.2, 3.2 of GB/T 22614-2008);
- Changed the pH value index of clethodim technical material (see 4.2, 3.2 of GB/T 22614-2008);
- Added the technical indicators of clethodim parent drug (see 4.2);
- Added two specifications of clethodim EC, 30% and 35% (see 4.2);
- Changed the moisture index of clethodim EC (see 4.2, 3.2 of GB/T 22615-2008);
- Added items and indicators of durable foaming properties in clethodim EC (see 4.2);
- Changed the normal phase high performance liquid chromatography method (arbitration method) for the determination of clethodim mass fraction (see 5.5.1, GB/T 22614-2008 and 4.3 of GB/T 22615-2008);
- Changed the reversed-phase high-performance liquid chromatography method for the determination of clethodim mass fraction (see 5.5.2, GB/T 22614-2008 and Appendix A of

GB/T 22615-2008);

---Deleted the method for determination of acetone insoluble matter in clethodim technical material (see 4.6 of GB/T 22614-2008);

---Deleted the acceptance period of clethodim technical material (see 5.7 of GB/T 22614-2008);

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

---Increased the quality assurance period of clethodim technical material (see 7.2).

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

1 Scope

This document stipulates the technical requirements, inspection rules, acceptance and quality assurance periods for clethodim technical material, mother drug, and emulsifiable concentrate, as well as the signs, labels, and packaging Packaging, storage and transportation, and the test methods for clethodim technical material, mother drug and emulsifiable concentrate are described.

This document is applicable to the quality control of clethodim technical material, mother drug, and emulsifiable concentrate products.

Note: Please see Appendix A for other names, structural formulas and basic physical and chemical parameters of clethodim.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 1600-2021 Pesticide moisture determination method GB/T 1601 Determination of pH value of pesticides GB/T 1603 Method for determination of stability of pesticide emulsion GB/T 1604 Commercial Pesticide Acceptance Rules GB/T 1605-2001 Sampling methods for commercial pesticides GB 3796 General principles for pesticide packaging GB 4838 Pesticide emulsifiable concentrate packaging GB/T 8170-2008 Numerical rounding rules and representation and determination of limit values GB/T 19136-2021 Determination method of thermal storage stability of pesticides GB/T 19137-2003 Method for determination of low-temperature stability of pesticides GB/T 28137 Determination method of persistent foaming property of pesticides GB/T 32776-2016 Pesticide density

determination method

3 Terms and definitions

There are no terms or definitions to be defined in this document.

4.1 Appearance

Clethodim technical material is a light yellow to amber liquid; clethodim parent drug and EC are homogeneous liquids without obvious suspended solids and precipitation.

4.2 Technical indicators

Clethodim technical material, mother drug, and emulsifiable concentrate should meet the requirements of Table 1, Table 2, and Table 3 respectively.