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

GB/T 15670.2-2017

Replacing GB/T 15670-1995

**Toxicological test methods for pesticides registration - Part 2:
Acute oral toxicity test - Horn's method**

农药登记毒理学试验方法 第2部分：急性经口毒性试验 霍恩氏法

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 3.3 Median lethal dose medianlethaldose LD
- 5 Test Overview

Foreword

GB/T 15670 "pesticide registration toxicology test method" is divided into the following sections.

- Part 1. General principles;
- Part 2. Acute oral toxicity test Horn's method;
- Part 3. Acute oral toxicity test sequential method;
- Part 4. Acute oral toxicity test probability unit method;
- Part 5. Acute dermal toxicity test;
- Part 6. Acute inhalation toxicity test;
- Part 7. Skin irritation/corrosivity test;
- Part 8. Acute eye irritation/corrosiveness test;
- Part 9. Skin allergy (sensitization) test;
- Part 10. Short-term repeated oral toxicity (28 days) toxicity test;
- Part 11. Short-term repeated transdermal (28 days) toxicity test;
- Part 12. Short-term repeated inhalation exposure (28 days) toxicity test;
- Part 13. Subchronic toxicity test;

1 Scope

GB/T 15670.2-2017 is the Chinese national standard on toxicological test methods for pesticides registration - part 2: acute oral toxicity test - horn's method, 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 12 July 2017 by

the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2018. Classification: ICS 65.100, CCS B17. 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 section GB/T 15670 specifies the basic principles, methods and requirements of Horn's test for acute oral toxicity test. This section applies to pesticides registered acute oral toxicity test.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 14925 laboratory animal environment and facilities Pesticide registration information requirements (People's Republic of China Ministry of Agriculture Order 2007 No. 10)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Acute oral toxicity of acute oral toxicity The effects of health damage to animals in the short term after one or more oral administration of the test animal substance within 24 hours.

3.2 Dose The amount of test substance given is expressed as mass of test article received per unit body weight of test animal (mg/kg body weight).

3.3 Median lethal dose median lethal dose LD

50 Once or within 24 hours of repeated administration of test animal compounds, the overall experimental animals caused half of the total dose of toxicants statistics. The test animal's body weight to accept the test substance mass (mg/kg body weight).

3.4 Dose-response relationship Relationship between dose and incidence of specific effects.

Acute oral toxicity test is to assess the toxicity of the first step. Through a short period of oral exposure to a preliminary understanding of the toxicological characteristics of the test substance And dose-response relationship, provide a basis for the selection of dose for acute toxicity grading, label management and other toxicological tests.

5 Test Overview

Horn's method is also called modified Vickers law or simplified probability unit method.
Using four successive doses of the geometric series,

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