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

GB/T 33808-2025

Replacing GB/T 33808-2017

Glufosinate-ammonium technical material

草铵膦原药

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Technical Requirements
- 8.6 Water-insoluble matter/% ≤

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 33808-2017 "Glufosinate Technical Grade". Compared with GB/T 33808-2017, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

- The technical indicator of ammonium ion mass fraction has been added (see 4.2);
- The method for determining the mass fraction of glufosinate has been revised (see 5.5, 4.4 in the 2017 edition);
- A method for determining the mass fraction of ammonium ions has been added (see 5.6);
- Product acceptance has been removed (see Chapter 5 of the 2017 edition);
- Added inspection rules (see Chapter 6);
- An acceptance and quality assurance period has been added (see Chapter 7). 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). This document was drafted by: Inner Mongolia Lingsheng Crop Technology Co., Ltd., Hebei Weiyuan Biochemical Co., Ltd., and Shandong Jingbo Agricultural Chemical Technology Co., Ltd. Joint-stock company, Syngenta (Suzhou) Crop Protection Co., Ltd., Jiangsu Qizhou Green Chemical Co., Ltd., Lier Chemical Co., Ltd. The company, Shandong Huimeng Biotechnology Co., Ltd., Fuhua Tongda Chemical Co., Ltd., Zhejiang Xin'an Chemical Group Co., Ltd., Jiangsu Chunjiang Runtian Agrochemical Co., Ltd., Hubei Taisheng Chemical Co., Ltd., Qingdao Shenghan Chromatography Technology

Co., Ltd., and Shenyang Shenhua Institute of Chemical Technology Testing Technology Co., Ltd. Limited Company. The main drafters of this document are. Wang Haixia, Chen Yongze, Zheng Jie, Cheng Daoquan, Wang Fujun, Zhou Wen, Liu Huihua, Cheng Mengke, Xiao Caigen, and Hu Jinfeng. Yao Eryan, Qian Hui, Tian Yiqun, Zhang Jinmei, Jia Rongrong, Qi Jianmin. The release history of this document and the document it replaces is as follows:

---First published in.2017 as GB/T 33808-2017;

---This is the first revision. glufosinate technical grade

1 Scope

GB/T 33808-2025 is the Chinese national standard covering glufosinate technical - the assay and the related impurities, the moisture and the pH, and the analytical method, on the herbicide that has taken much of the market glyphosate is losing. It replaces GB/T 33808-2017, under the Ministry of Agriculture and Rural Affairs. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026, replacing GB/T 33808-2017.

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

Note. Other names, structural formulas and basic physicochemical parameters of glufosinate and glufosinate acid are given 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 1601 Method for Determination of pH Value of 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 28136-2011 Method for Determination of Water-Insoluble Matter in Pesticides

3 Terms and Definitions

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

4 Technical Requirements

4.1 Appearance White to light yellow solid powder.

4.2 Technical Specifications The technical specifications for glufosinate technical grade should meet the requirements of Table 1. Table

1 Technical Specifications of Glufosinate Technical Grade Project Indicators Glufosinate mass fraction/% $\geq$

95.0 Ammonium ion mass fraction/% $\geq$

8.6 Water-insoluble matter/% $\leq$

0.2 pH value 4.0~7.0