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

GB/T 46743-2025

Polyoxin

多抗霉素

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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. 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: Shaanxi Maikeluo Biotechnology Co., Ltd., Shandong Rushan Hanwei Biotechnology Co., Ltd., and Beijing Green Agriculture. Huazhong Crop Technology Co., Ltd., Shaanxi Hybrid Rapeseed Research Center, Xingnong Pharmaceutical (China) Co., Ltd., and Shanxi Xinyuan Huakang Chemical Co., Ltd. Limited Liability Company, Shanxi Green Sea Pesticide Technology Co., Ltd., National Biological Pesticide Quality Inspection and Testing Center, Shenyang Shenhua Institute Testing Technology Co., Ltd. The main drafters of this document are: Weng Jing, Xu Xiaoqing, Zhang Yunhua, Zhang Nianjie, Li Pumin, Yang Jianli, Zhang Nan, Yang Hongbo, Chen Shuhua, and Ji Qingwei. Ma Aimin, Jiang Xin, Hou Chunqing, Guo Hanghong, Pan Zhongcheng, Dong Xuemei, Wang Yuying, Lin Meigen, Gu Yu. Polyoxin

1 Scope

GB/T 46743-2025 is the Chinese national standard covering polyoxin as a product - the assay of the active components in a fermentation-derived antibiotic fungicide, the related substances, the moisture and pH, and the microbiological purity, on a biological product used against fungal diseases in fruit and vegetables. First edition, under the Ministry of Agriculture and Rural Affairs. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document specifies the technical requirements and inspection procedures for polyoxin technical grade (parent drug), polyoxin wettable powder, and polyoxin soluble granules. The

test methods for polyoxin are described, including the acceptance and quality guarantee period, as well as marking, labeling, packaging, storage and transportation. This document applies to the quality control of polyoxin technical (parent drug), polyoxin wettable powder, and polyoxin soluble granules.

Note. In this document, polyoxin refers to polyoxin B. Other names, structural formulas and basic physicochemical parameters of polyoxin B 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 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 5451 Determination of wettability of pesticide wettable powders

GB/T 8170-2008 Rules for rounding off numerical values and the representation and determination of limiting values

GB/T 14825-2023 Method for Determination of Pesticide Suspension Rate

GB/T 16150-1995 Method for Determination of Fineness of Pesticide Powders and Wettable Powders

GB/T 19136-2021 Determination of thermal storage stability of pesticides

GB/T 28136-2011 Method for Determination of Water-Insoluble Matter in Pesticides

GB/T 28137 Determination of persistent foaming properties of pesticides

GB/T 30360 Method for Determination of Particulate Pesticide Dust

3 Terms and Definitions

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

4 Technical Requirements

4.1 Appearance Polyoxin technical grade (parent drug) should be a uniform, loose powder, free of visible foreign impurities. Polyoxin wettable powder should be a loose powder with a uniform composition, and should not contain lumps. Polyoxin soluble granules should be uniform particles that can flow freely, are essentially free of dust, and have no visible foreign impurities or hard lumps.

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