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

中华人民共和国国家标准

GB/T 25865-2010

Feed Additive—Zinc Sulphate

饲料添加剂 硫酸锌

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Foreword

This standard is drafted according to rules given by GB/T 1.1-2009.

This standard is proposed and under jurisdiction of the National Feed Industry Standardization Technology Committee (SAC/TC 76).

Drafting units of this standard are China Feed Industry Association, Zhejiang Feed Inspection Office, and Hangzhou Fuyang Xinxing Feed Co., Ltd.

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Feed Additive—Zinc Sulphate

1 Scope

This standard stipulates the product classifications, technical requirements, test method, inspection rules and label, packaging, transportation and storage of feed additive zinc sulfate.

This standard is applicable to feed additive zinc sulfate produced by the reaction between materials containing zinc and sulfuric acid.

Molecular formula: $ZnSO_4 \cdot nH_2O$.

Relative molecular mass: 179.47 (n=1), 287.56(n=7) (as per international relative atomic mass in 2007).

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (including corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 601 Chemical Reagent - Preparations of Standard Volumetric Solutions

GB/T 5917.1 Determination of feed particle size—Two-sieve screening method

GB/T 6682 Water for analytical laboratory use—Specifications and test methods

GB 10648 Feed Label

GB/T 13079 Determination of total arsenic in feeds

GB/T 13080 Determination of lead in feeds - Method using atomic absorption spectrometry

GB/T 13082 Method for determination of cadmium in feeds

3 Product Classifications

According to the zinc content, feed additive zinc sulfate is divided into: zinc sulfate monohydrate, zinc content $\geq 34.5\%$; zinc sulfate heptahydrate, zinc content $\geq 22.0\%$.

4 Technical Requirements

4.1 Appearance and character

Zinc sulfate monohydrate is white or off-white powder, soluble in acid solutions, slightly soluble in water and insoluble in ethanol; zinc sulfate heptahydrate is colorless and transparent prismatic or prismatic crystal or granular crystalline powder with weatherability, highly soluble in water and insoluble in ethanol.

4.2 Technical indicators



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