

ICS 65.120
CCS B46



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

GB 34459-2017

Feed additive-Copper sulphate

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Issued on: October 14, 2017

Implemented on: May 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Requirements

Foreword

The first chapter of this standard, Chapter 3 and Chapter 5 is mandatory, the rest are recommended. This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed and managed by the National Feed Industry Standardization Technical Committee (SAC/TC76). This standard drafting unit. Chinese Academy of Agricultural Sciences Beijing Institute of Animal Husbandry and Veterinary, China Feed Industry Association, Chengdu, Sichuan Shu Xing feed there Limited, Institute of Agricultural Quality Standards and Testing Technology, Chinese Academy of Agricultural Sciences [National Feed Quality Supervision and Inspection Center]. The main drafters of this standard .Lu Lin, Luo Xugang, Sha Yusheng, Wu pure blue, Wang Shaohui, Tian Jing, Zhang Liyang, Zhang Ling. Feed additive copper sulfate

1 Scope

GB 34459-2017 is the Chinese national standard on feed additive-copper sulphate, in the field of agriculture. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 14 October 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 May 2018.

Classification: ICS 65.120, CCS B46. 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 standard specifies the feed additive copper sulfate monohydrate or copper sulfate pentahydrate requirements, test methods, inspection rules, labeling, packaging, transportation, Storage and shelf life. This standard applies to etching solution recovery method or purple copper high temperature roasting production of feed additives, copper sulfate monohydrate or copper sulfate pentahydrate. Molecular formula. $\text{CuSO}_4 \cdot n\text{H}_2\text{O}$, $n = 1$ or $n = 5$. Relative molecular mass .177.62 ($n = 1$), 249.68 ($n = 5$) (according to.2007 International relative atomic mass).

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/T 601 chemical reagent standard titration solution preparation

GB/T 6003.1-2012 Test sieves - Technical requirements and testing - Part 1. Wire mesh sieve test sieves

GB/T 6682 analytical laboratory water specifications and test methods

GB 10648 feed label Determination of total arsenic in feedstuffs Feedstuffs - Determination of lead - Atomic Absorption Spectrometry GB/T 13080-2004

GB/T 13081 Determination of mercury in feed Determination of cadmium in feedstuffs

GB/T 14699.1 feed sampling

3 Requirements

3.1 Appearance and traits A copper sulfate monohydrate is a slightly bluish white powder, copper sulfate pentahydrate is a light blue crystalline pellet or light blue powder.

3.2 Specifications Feed additive copper sulfate products should be consistent with the provisions of Table 1. Table 1 technical indicators project index Copper sulfate monohydrate $\text{CuSO}_4 \cdot \text{H}_2\text{O}$ Copper sulfate pentahydrate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ Copper sulfate /% ≥ 98.5 $\geq$

98.5 Copper (Cu) /% ≥ 35.7 $\geq$

25.1 Total arsenic (As)/(mg/kg) ≤ 4