

ICS 65.120  
CCS B46



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

**GB 7300.311-2025**

Replacing GB 22548-2017

**Feed additives - Part 3: Minerals and their complexes (or  
chelates) - Monocalcium phosphate**

饲料添加剂 第3部分：矿物元素及其络（螯）合物 磷酸二氢钙

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## Table of Contents

- 1 Scope
- 2 Vitamins and Vitamin D
- 3 Terms and Definitions
- 8 Benzoic acid (GB 7300.804). Preservatives, fungicides and acidity regulators

### 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 is Part 311 of GB 7300 "Feed Additives". GB 7300 has already published the following parts.

- 1. Amino acids, amino acid salts and their analogues L-threonine (GB 7300.101);
- 1. Amino acids, amino acid salts and their analogues, glycine (GB 7300.102);
- 1. Amino acids, amino acid salts and their analogues, methionine hydroxy analogues (GB 7300.103);
- 1. Amino acids, amino acid salts and their analogues L-valine (GB 7300.104);
- 1. Amino acids, amino acid salts and their analogues, taurine (GB 7300.105);
- 2. Vitamins and Vitamin-like L-ascorbic acid-2-phosphate salts (GB 7300.201);

### 1 Scope

GB 7300.311-2025 is the Chinese national standard on feed additives - part 3: minerals and their complexes (or chelates) - monocalcium phosphate, 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 31 December 2025 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 January 2027. 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.

### 2 Vitamins and Vitamin D

3 Oils (GB 7300.202);

2. Vitamins and Vitamin-like Betaine (GB 7300.203);

2. Vitamins and Vitamin-like Betaine Hydrochloride (GB 7300.204);

2. Vitamins and Vitamin B2-like Riboflavin (Vitamin B2) (GB 7300.205);

2. Vitamins and Vitamin-like Choline Chloride (GB 7300.206);

2. Vitamins and Vitamin-like Nicotinamide (GB 7300.207);

2. Vitamins and Vitamin-like L-Ascorbate Calcium (GB 7300.208);

2. Vitamins and Vitamin B12-like Cyanocobalamin (Vitamin B12) (GB 7300.209);

3. Mineral Elements and Their Complexes (Chelates) - Potassium Iodide (GB 7300.301);

3. Mineral Elements and Their Complexes (Chelates) - Sodium Selenite (GB 7300.302);

3. Mineral Elements and Their Complexes (Chelates) Potassium Iodate (GB 7300.303);

3. Mineral Elements and Their Complexes (Chelates) - Glycine Iron Complex (GB 7300.304);

3. Mineral Elements and Their Complexes (Chelates) - Basic Copper Chloride (GB 7300.305);

3. Mineral Elements and Their Complexes (Chromium Nicotinate) (GB 7300.306);

GB/T 6682 Specifications and test methods for water used in analytical laboratories

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

GB 10648 Feed Label

GB/T 13079 Determination of total arsenic in feed

GB/T 13080 Determination of Lead in Feed by Atomic Absorption Spectrometry

GB/T 13082 Determination of Cadmium in Feed

GB/T 13083 Determination of Fluorine in Feed - Ion Selective Electrode Method

GB/T 13088 Determination of Chromium in Feed

GB/T 14699 Feed Sampling

GB/T 23769 General Method for Determination of pH Value in Aqueous Solutions of Inorganic Chemical Products

### 3 Terms and Definitions

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

4. Chemical name, molecular formula, and relative molecular mass  
 Chemical name. calcium dihydrogen phosphate  
 Molecular formula.  $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$   
 Relative molecular mass.

252.06 (based on 2022 international relative atomic mass)

## **8 Benzoic acid (GB 7300.804). Preservatives, fungicides and acidity regulators**

- 8.Preservatives, fungicides and acidity regulators (lactic acid) (GB 7300.805);
- 8.Preservatives, fungicides and acidity regulators, calcium formate (GB 7300.806);
- 8.Preservatives, fungicides and acidity regulators, calcium citrate (GB 7300.807);
- 8.Preservatives, fungicides and acidity regulators, sodium diacetate (GB 7300.808);
- 9.Coloring agent beta-carotene powder (GB 7300.901);
- 9.Coloring agents beta,beta-carotene-4,4-dione (cantharidin) (GB 7300.902);
- 10.Monosodium glutamate (MSG), a flavoring and stimulating food ingredient (GB 7300.1001);
- 10.Allicin, a flavoring and stimulating agent (GB 7300.1002);
- 10.Flavoring and Enhancing Agent Neomethylhesperidin dihydrochalcone (GB 7300.1003);
- 13.Other bile acids (GB 7300.1301). This document replaces GB 22548-2017 "Calcium Dihydrogen Phosphate Feed Additives". Compared with GB 22548-2017, the main differences are structural adjustments and... Aside from editorial changes, the main technical changes are as follows:
  - The scope of application has been changed (see Chapter 1, Chapter 1 of the.2017 edition);
  - Appearance and properties have been changed (see 5.1, 3.1 in the.2017 version);
  - The fineness and chromium (Cr) parameters have been changed (see