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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 7300.207-2025

Replacing GB 7301-2017

Feed additives - Part 2: Vitamins, provitamins and chemically well-defined substances having similar effects - Nicotinamide

饲料添加剂 第2部分：维生素及类维生素 烟酰胺

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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. This document is Part 207 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 7300.207-2025 is the Chinese national standard on feed additives - part 2: vitamins, provitamins and chemically well-defined substances having similar effects - nicotinamide, 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 B 46. 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 document provides the chemical name, molecular formula, relative molecular mass,

and structural formula of nicotinamide, and specifies the technical requirements for nicotinamide as a feed additive. Technical requirements, inspection rules, labeling, packaging, transportation, storage and shelf life are described, along with sampling and testing methods. This document applies to nicotinamide, a feed additive prepared by chemical synthesis from 3-cyanopyridine.

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);

3 Terms and Definitions

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

4.Chemical name, molecular formula, relative molecular mass, and structural formula

4.1 Chemical Name 3-Pyridinecarboxamide.

4.2 Molecular Formula C6H6N2O.

4.3 Relative Molecular Mass 122.13 (based on 2022 international relative atomic mass).

4.4 Structural Formula See Figure 1.

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 7301-2017 "Nicotinamide, a Feed Additive". Compared with GB 7301-2017, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

---The scope of application has been changed (see Chapter 1, Chapter 1 of the.2017 edition);

---The test method for "loss on drying" has been changed (see 7.7,

4.7 in the.2017 edition);

---The precision requirements for "residue on ignition" have been added (see 7.8.5);