

ICS 65.120
CCS B46



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

GB 7300.306-2025

**Feed additive - Part 3: Minerals and their complexes (or
chelates) - Chromium nicotinate**

饲料添加剂 第3部分：矿物元素及其络（螯）合物 烟酸铬

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 306 of GB 7300 "Feed Additives". GB 7300 has been published in 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 analogs Glycine (GB 7300.102);
- 1. Amino acids, amino acid salts and their analogs - Methionine hydroxy analogs (GB 7300.103);
- 1. Amino acids, amino acid salts and their analogues L-valine (GB 7300.104);
- 2. Vitamins and vitamin-like substances L-ascorbic acid-2-phosphate (GB 7300.201);
- 2. Vitamins and vitamin-like vitamin D3 oil (GB 7300.202);
- 2. Vitamins and vitamin-like betaine (GB 7300.203);
- 2. Vitamins and vitamin-like substances. Betaine hydrochloride (GB 7300.204);
- 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) - Iron glycine complex (GB 7300.304);

1 Scope

GB 7300.306-2025 is the Chinese national standard on feed additive - part 3: minerals and their complexes (or chelates) - chromium nicotinate, 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 30 June 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2026.

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 document gives the chemical name, molecular formula, relative molecular mass and chemical formula of chromium nicotinate and specifies the technical specifications of chromium nicotinate as a feed additive. It also describes the technical requirements, inspection rules, labeling, packaging, transportation, storage and shelf life, and describes the sampling and test methods. This document applies to feed additives with chromium (III) tripyridine-3-carboxylate (nicotinic acid) as the main ingredient, which is produced by the reaction of chromium trichloride and nicotinic acid. Chromium nicotinate.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 5917.1 Determination of particle size of ground feeds - Two-layer sieve method

GB/T 8170 Rules for rounding off values and expression and determination of limit values
GB 10648 Feed Labeling

GB/T 13079 Determination of total arsenic in feed

GB/T 13080 Determination of lead in feed - Atomic absorption spectrometry

GB/T 13081 Determination of mercury in feed

GB/T 13082 Determination of cadmium in feed GB/T 14699 Feed Sampling

HG/T 4837-2015 Chromium Nicotinate

NY/T 2770 Determination of organic chromium in organic chromium additives (raw powder)

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Chemical name, molecular formula, relative molecular mass and chemical formula

4.1 Chemical name. Chromium(III) pyridine-3-carboxylate (nicotinate).

4.2 Molecular formula. $C_{18}H_{12}CrN_3O_6$.

4.3 Relative molecular mass. 418.30 (calculated according to the 2022 international atomic mass standard).

4.4 Chemical formula.

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