

ICS 65.120

CCS B46



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

GB 7300.902-2022

Replacing GB/T 18970-2003

**Feed additives - Part 9: Coloring agents -
beta,beta-carotene-4,4-diketone(Canthaxanthin)**

饲料添加剂 第9部分：着色剂 β ， β -胡萝卜素-4,4-二酮 (斑蝥黄)

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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 of Standardization Documents" drafted. This document is Part 902 of GB 7300 "Feed Additives". GB 7300 has released the following parts.

- 1. Amino acids, amino acid salts and their analogs 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 hydroxyl analogues (GB 7300.103);
- 2. Vitamins and retinoids L-ascorbic acid-2-phosphate salts (GB 7300.201);
- 2. Vitamins and vitamin D3 oils (GB 7300.202);
- 2. Vitamins and retinoid betaines (GB 7300.203);
- 2. Vitamins and vitamin-like betaine hydrochloride (GB 7300.204);
- 3. Mineral elements and their complexes (chelates) potassium iodide (GB 7300.301);
- 3. Mineral elements and their complex (chelate) compounds - Sodium selenite (GB 7300.302);
- 4. Enzyme preparation xylanase (GB 7300.401);
- 4. Enzyme preparation phytase (GB 7300.402);
- 5. Microbial *Saccharomyces cerevisiae* (GB 7300.501);

1 Scope

GB 7300.902-2022 is the Chinese national standard on feed additives - part 9: coloring agents - beta,beta-carotene-4,4-diketone(canthaxanthin), 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 13 July 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 August 2023. 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 specifies the technical requirements, sampling, inspection rules, standards for feed additive beta,beta-carotene-4,4-dione (Cantharidin) products Labeling, packaging, transportation, storage and shelf life, describe the test methods. This document is applicable to feed additive beta, beta-Hu produced by chemical synthesis with vitamin A acetate or beta-carotene as the main raw material Carotene-4,4-dione (Cantharidin) type 96; and using type 96 product as raw material, dissolved in dichloromethane, and added with feed raw material gelatin or starch Or feed additive lignosulfonate, etc., feed additive beta, beta-carotene-4,4-dione (Cantharidin) 10 prepared by spray drying.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB 1886.78-2016 National Food Safety Standard Food Additive Lycopene (Synthetic)

GB/T 5917.1 Determination of Pulverized Feed Particle Size Two-layer Screening Method

GB/T 6040 General Principles of Infrared Spectroscopy Analysis Methods

GB/T 6435-2014 Determination of moisture in feed

GB/T 6682 Analysis Laboratory Water Specifications and Test Methods

GB/T 8170 Numerical Rounding Rules and Representation and Judgment of Limit 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 13081 Determination of mercury in feed

GB/T 14699.1 Feed Sampling Veterinary Pharmacopoeia of the People's Republic of China (2020 Edition)

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document.

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

Chemical name. beta,beta-carotene-4,4-dione (Cantharidin) Molecular formula. C₄₀H₅₂O

2 Relative molecular mass. 564.85 (according to 2016 international relative atomic mass)

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