

ICS 65.120
CCS B46



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

GB 7300.901-2019

Replacing GB/T 19370-2003

Feed additives - Part 9: Coloring agents - beta-Carotene powder

饲料添加剂 第9部分：着色剂 β -胡萝卜素粉

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Foreword

Chapters 1, 4, 6, and 7 of this part are mandatory, and the rest are recommended. GB 7300 "feed additives" is divided into several parts by product. This Part is Part 901 of GB 7300. This section is drafted in accordance with the rules given in GB/T 1.1-2009. This section replaces GB/T 19370-2003 "Feed additives 1% beta-carotene". Compared with GB/T 19370-2003, The main technical changes outside the editorial changes are as follows:

- Revised the scope of application of the standard (see Chapter 1, Chapter 1 of the.2003 edition);
- Modified the beta-carotene content requirements (see 4.4, 3.2 of the.2003 version);
- Deleted the burning residue index (see 4.4, 3.2 of the.2003 version);
- Removed the lead indicator and added the "heavy metal" indicator (see 4.4, 3.2 of the.2003 version);
- Increased granularity regulations (see 4.4, 3.2 of the.2003 version);
- Modified the identification method (see 6.2, 4.3 of the.2003 version);
- Modified UV-visible spectrophotometry (see 6.3.1; 4.4 of.2003 edition);

1 Scope

GB 7300.901-2019 is the Chinese national standard on feed additives - part 9: coloring agents - beta-carotene powder, 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 17 December 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2020. 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 part of GB 7300 specifies the technical requirements, sampling, test methods, inspection rules, labels, Packaging, transportation, storage and shelf life. This section applies to chemically synthesized beta-carotene crystals as raw materials, supplemented with starch, gelatin and other auxiliary materials, sprayed, coated and dried Feed additive beta-carotene powder.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 602 Preparation of standard solutions for impurity determination of chemical reagents
Preparation of preparations and products used in

GB/T 603 chemical reagent test method

GB/T 5917.1 Determination of feed crushing particle size

GB/T 6435-2014 Determination of moisture in feed

GB/T 6438 Determination of crude ash in feed

GB/T 6682 Analytical laboratory water specifications and test methods

GB/T 8170 Numerical rounding rules and expression and judgment of limit values

GB 8821-2011 National Food Safety Standard Food Additive beta-Carotene GB 10648 feed label

GB/T 13079-2006 Determination of total arsenic in feed

GB/T 14699.1 Feed sampling

GB/T 20195 Preparation of animal feed samples

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

Chemical name. 1,1'-(3,7,12,16-tetramethyl)-(1,3,5,7,9,11,13,15,17-octadecylnonene-1,18-Diyl) bis (2,6,6- (Trimethylcyclohexene) Molecular formula. C₄₀H

56 Relative molecular mass. 536.88 (according to.2016 international relative atomic mass)

Structural formula.

4 Technical requirements

4.1 Raw material requirements Chemically synthesized beta-carotene is used as raw material, and the content specification is 96.0% ~ 101.0%.

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