

ICS 65.120

CCS B46



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

GB 7303-2018

Replacing GB/T 7303-2006

Feed additive - L-Ascorbic acid (Vitamin C)

饲料添加剂 L-抗坏血酸 (维生素C)

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Standardization Administration of China**

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Foreword

Chapters 1, 4 and 6 of this standard are mandatory and the rest are recommended. This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 7303-2006 "feed additive vitamin C (L-ascorbic acid)". The main technical changes of this standard and GB/T 7303-2006 are as follows:

---L-ascorbic acid (vitamin C) content was changed from "99.0% to 101.0%" to "99.0% to 100.5%" (see 4.2,

3.2 of.2006 edition);

--- Technical indicators lead content changed to heavy metal (in terms of lead) limit, and is specified as " ≤ 10 (mg/kg)" (see 4.2,.2006 version 3.2);

--- Added technical indicators "total arsenic (as As), ≤ 2.0 mg/kg" (see 4.2);

--- Change the shelf life from "more than one year (including one year)" to "24 months" (see 7.5,

6.4 of.2006 edition). This standard is proposed and managed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This standard was drafted. National Feed Quality Supervision and Inspection Center (Wuhan), Tongwei Co., Ltd. The main drafters of this standard. Qu Liwen, Yang Fashu, Zhang Fengqi, Qian Wei, Liu Yaomin, Gao Junfeng, Wang Sisi, Huang Changjun, Yang Lin. The standard version of the standard replaced by this standard is.

---GB 7303-1987, GB/T 7303-2006. Feed additive L-ascorbic acid (vitamin C)

1 Scope

GB 7303-2018 is the Chinese national standard on feed additive - l-ascorbic acid (vitamin c), 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 28 December 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 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 standard specifies the requirements, test methods, inspection rules, labels, packaging, and feed additives for L-ascorbic acid (vitamin C) products. Transportation, storage and shelf life. This standard is applicable to L-ascorbic acid (vitamin C) which is obtained by chemical synthesis after fermentation with D-sorbitol as raw material.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document. Preparation of

GB/T 601 chemical reagent standard titration solution Preparation of standard solution for

GB/T 602 chemical reagent impurity determination Preparation of preparations and products used in

GB/T 603 chemical reagent test method

GB/T 613 chemical reagent specific rotation method (specific optical rotation) determination of general methods

GB/T 617 chemical reagent melting point range determination method

GB/T 6682 Analytical laboratory water specifications and test methods GB 10648 feed label

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

GB/T 14699.1 Feed sampling

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

Chemical name. L-2,3,5,6-tetrahydroxy-2-hexenoic acid-γ-lactone Molecular formula. C₆H₈O

6 Relative molecular mass. 176.12 (2016 international relative atomic mass) Structure.

4.1 Appearance and traits This product is white to slightly yellow crystal or crystalline powder, odorless and sour. This product is soluble in water, slightly soluble in ethanol, in trichloromethane Insoluble in alkane or ether.