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

GB 34467-2017

Feed additive-Calcium citrate

饲料添加剂 柠檬酸钙

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Foreword

The first chapter of this standard, Chapter 3 and Chapter 5 is mandatory, the rest are recommended. This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed and managed by the National Feed Industry Standardization Technical Committee (SAC/TC76). The main drafting units of this standard. Nanning City Zellweiler feed limited liability company, the National Feed Quality Supervision and Inspection Center (Wuhan), agriculture Ministry of Feed Supervision and Inspection Center (Nanning). The main drafters of this standard. Zhou Jianqun, Yang Lin, Luo Peng, Tang Chengming, Wei Liang Yun, Huang Yunlan, Wu Xiaodan, Wu Yuzhen, Wei Wei, Xie Meidong. Feed additive calcium citrate

1 Scope

GB 34467-2017 is the Chinese national standard on feed additive-calcium citrate, 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 14 October 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2018. 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 feed additive calcium citrate requirements, test methods, inspection rules, labeling, packaging, transportation, storage and shelf life. This standard applies to citric acid and calcium compounds made from feed additives calcium citrate products. Calcium citrate molecular formula. $\text{Ca}_3 (\text{C}_6\text{H}_4\text{O}_7)_2 \cdot 4\text{H}_2\text{O}$. Chemical name. 2-hydroxy-1,2,3-propane tricarboxylate tetrahydrate. Relative molecular mass .470.40 (By International Relative Atomic Weight in.2007).

2 Normative references

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

GB/T 601 chemical reagent standard titration solution preparation

GB/T 602 chemical reagent impurity standard solution preparation

GB/T 603 chemical reagent test methods used in the preparation of preparations and products

GB/T 5917.1 forage particle size determination two sieve screening method Laboratory use specifications and test methods for analysis GB/T 6682-2008

GB 10648 feed label Determination of total arsenic in feedstuffs Feedstuffs - Determination of lead - Atomic Absorption Spectrometry

GB/T 13080-2004 Determination of fluoride in feedstuffs - Ion selective electrode method

GB/T 14699.1 feed sampling People's Republic of China Pharmacopoeia.2015 edition appendix

3 Requirements

3.1 Appearance and traits Calcium citrate products are white crystalline powder, insoluble in water or ethanol, odorless, tasteless.

3.2 Specifications Feed additive calcium citrate products should meet the requirements of Table 1. Table 1 calcium citrate product specifications Project Indicators Calcium citrate (dry basis) /% >=

97.0 Citric acid (on a dry basis) /% >=

73.6 Particle size (0.25mm oversize) /% <=5