

ICS 65.120
CCS B46



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

GB 7300.102-2019

**Feed additives - Part 1: Amino acids, their salts and analogues -
Glycine**

饲料添加剂 第1部分：氨基酸、氨基酸盐及其类似物 甘氨酸

Issued on: December 17, 2019

Implemented on: July 1, 2020

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

Chapters 1, 4, 5, and 6 of this part are mandatory, and the rest are recommended. GB 7300 "feed additives" is divided into several parts by product. This section is Part 102 of GB 7300. This section is drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some elements of this document may involve patents. The issuer of this document is not responsible for identifying these patents. This section is proposed and managed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. Drafting unit of this section. Agricultural Products Public Monitoring Center of Guangdong Academy of Agricultural Sciences. The main drafters of this section. He Qixia, Lin Xuexian, Li Yafei, Xu Qian, Wu Weihui, Zhang Zhan, He Yuanyi. Feed additives Part 1. Amino acids, amino acid salts and their analogs Glycine

1 Scope

GB 7300.102-2019 is the Chinese national standard on feed additives - part 1: amino acids, their salts and analogues - glycine, 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, test methods, inspection rules, labeling, packaging, Transport, storage and shelf life. This section applies to industrial aminoacetic acid prepared by the process of monochloroacetic acid ammoniation or hydroxyacetonitrile. It is dissolved in purified water and decolorized by activated carbon. Glycine, a feed additive obtained by recrystallization from other processes.

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. For undated references, the latest version (including all amendments) applies to this document.

GB/T 601 chemical reagent standard titration solution

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 6435 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/T 9724 General rules for the determination of pH value of chemical reagents
GB 10648 feed label

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

GB/T 14699.1 Feed sampling Pharmacopoeia of the People's Republic of China (2015
edition four)

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

Chemical name. Glycine Molecular formula. C_2H_5NO

2 Relative molecular mass. 75.07 (calculated according to the 2016 International Relative
Atomic Mass Table) Structural formula. $O-NH_2-CH_2-C-OH$

4 Technical requirements

4.1 Appearance and properties This product is white to off-white crystalline powder. Soluble in water, almost insoluble in ethanol or ether.