

ICS 65.120
CCS B46



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

GB/T 17243-2025

Replacing GB/T 17243-1998

Feed material - Spirulina powder

饲料原料 螺旋藻粉

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 17243-1998 "Spirulina Powder for Feed". Compared with GB/T 17243-1998, the main differences are structural adjustments and revisions. Aside from the logical changes, the main technical changes are as follows:

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.1998 edition);
- b) The terminology and definition of spirulina have been removed (see Chapter 3 of the.1998 edition);
- c) The identification check has been removed (see section 4.1 of the.1998 edition);
- d) Appearance and properties have been altered (see 4.1, 4.2 in the.1998 edition);
- e) The moisture, crude ash, and crude protein content of spirulina powder were modified (see 4.2, 4.3 in the.1998 edition);
- f) The phycocyanin index was added (see 4.2);
- g) The hygiene indicator requirements and test methods have been changed (see 4.3, 6.7, and 4.4, 4.5, 5.3, and 5.4 in the.1998 edition);
- h) A sampling method has been added (see Chapter 5);

1 Scope

GB/T 17243-2025 is the Chinese national standard on feed material - spirulina powder, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. 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, labeling, packaging, transportation, storage, and shelf life of spirulina powder, a feed ingredient. The experimental method is described. Spirulina powder is made by drying *Spirulina maxima* (*Arthrospira maxima*).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 5917.1 Determination of particle size of feed powder by two-layer sieve method

GB/T 6432 Determination of crude protein in feed - Kjeldahl method

GB/T 6435 Determination of moisture in feed

GB/T 6438 Determination of crude ash in feed

GB/T 8170 Rules for rounding off numerical values and the representation and determination of limiting values

GB/T 10647 Terminology for the Feed Industry GB 10648 Feed Label

GB 13078 Feed Hygiene Standard

GB/T 14699 Feed Sampling SN/T 1113 Method for Determination of Phycocyanin and Chlorophyll Content in Imported and Exported Spirulina Powder

3 Terms and Definitions

The terms and definitions defined in GB/T 10647 apply to this document.

4 Technical Requirements

4.1 Appearance and Properties This product should be a uniform dark green powder with the characteristic odor of spirulina and no off-odors.

4.2 Physicochemical Indicators It should comply with the provisions of Table 1.

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