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

GB/T 23599-2025

Replacing GB/T 23599-2009

Pure culture of straw mushroom

草菇菌种

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 23599-2009 "Volagus Species". Compared with GB/T 23599-2009, except for structural adjustments and editorial changes, In addition to the dynamic, the main technical changes are as follows.

- a) Added the terms and definitions of aerial hyphae, chlamydospores, primordia, biological efficiency and liquid culture (see 3.4 to 3.8);
- b) The sensory requirements for mother stocks, solid stock and cultivars have been changed (see 4.1.2, 4.2.1.2 and 4.3.2, 4.1.2 and 4.2.2 of the 2009 edition). and 4.3.2);
- c) The microbiological requirements for parent stocks, original stocks and cultivars have been deleted (see 4.1.3, 4.2.3 and 4.3.3 of the 2009 edition);
- d) Deleted the electrophoresis pattern characteristics of mycelial soluble proteins, electrophoresis method and PDY medium formula in the electrophoresis method (see 2009 4.1.6, 5.4 and Appendix C of the IEEE International Standards and Regulations (2003);
- e) Deleted ITS (internal transcribed spacer) sequence characteristics, analysis methods and analysis methods (see 4.1.7, 5.5 and Appendix of the 2009 edition) D);
- f) The container specifications for solid stock seeds and cultivated seeds have been changed (see 4.2.1.1, 4.3.1, 4.2.1, 4.3.1 of the 2009 edition);
- g) Added liquid stock (see 4.2.2);
- h) The test method has been changed (see Chapter 5, Chapter 5 of the 2009 edition);

- i) The judgment rules have been changed (see 6.2, 6.2 of the 2009 edition);
- j) Changed the transport requirements (see 7.3, 7.3 of the 2009 edition);
- k) The storage requirements have been changed (see 7.4, 7.4 of the 2009 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the China Federation of Supply and Marketing Cooperatives.

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2009 as GB/T 23599-2009;
- This is the first revision. Straw mushroom strains

1 Scope

This document specifies the quality requirements, inspection rules, and marking, labeling, packaging, transportation and storage requirements of *Volvariella volvacea*. Species inspection method.

This document applies to the production, circulation and use of *Volvariella volvacea* strains.

2 Normative references

GB/T 191

GB/T 12728

NY/T 528-2010

NY/T 1284

3 Terms and Definitions

The terms and definitions defined in GB/T 12728 and the following apply to this document.

3.1 [Source. GB/T 12728-2006, 2.3.21, modified]

The phenomenon that colonies with different genetic genes inhibit each other to produce no-growth zones or form linear edges of different forms.

3.2 Angular sectoring

The phenomenon that the mycelium becomes thinner, grows slowly, and has abnormal angular surface features due to local mutation of the mycelium or infection by a virus.

[Source. GB/T 12728-2006, 2.5.17]

3.3 high-temperature line

High temperature suppression line During the cultivation process, edible fungi are adversely affected by high temperature and insufficient ventilation, and the culture appears to be ring-shaped yellow, dark, or the mycelium becomes thinner. Weak phenomenon.

[Source. GB/T 12728-2006, 2.5.18, modified]

3.4 aerial hyphae

Mycelium growing in the surface space of the culture medium.

[Source. GB/T 12728-2006, 2.2.7]