

ICS 65.020.20

CCS B 39



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

GB/T 46506-2025

Code of practice for spawn production of Wolfiporia hoelen

茯苓菌种生产技术规程

Issued on: October 5, 2025

Implemented on: February 1, 2026

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

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Production Process	2
5.Mother seed production	2
5.1 Site Selection	2
5.2 Facility and Equipment Configuration	2
5.3 Selection of microbial strains	3
5.4 Culture medium preparation	3
5.6 Sterilization	3
5.7 Cooling	3
5.8 Vaccination	3
5.9 Cultivation	3
5.10 Inspection	3
5.11 Sample	4
5.12 Labelling and Packaging	4
5.13 Warehousing and Storage	4
6.Original seed production	4
6.1 Site Selection	4
6.2 Facility and Equipment Configuration	4
6.3 Selection of microbial strains	4
6.6 Sterilization	4
6.7 Cooling	5
6.8 Vaccination	5
6.9 Cultivate	5
6.10 Inspection	5
6.11 Sample	5
6.12 Labelling and Packaging	5
6.13 Warehousing and Storage	6
7.1 Site Selection	6
7.2 Facility and Equipment Configuration	6
7.3 Selection of microbial strains	6

7.4 Culture medium preparation	6
7.6 Sterilization	6
7.7 Cooling	6
7.8 Vaccination	6
7.9 Cultivation	6
7.10 Inspection	7
7.11 Sample Retention	7
7.12 Labelling and Packaging	7
7.13 Warehousing and Storage	7
8 Waste disposal	7
8 Appendix B (Informative) Commonly Used Culture Media Raw Materials and Formulations	
9 B.1 Mother Seed 9 B.2 Original Species 9 B.3 Cultivated Variety	9

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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the All China Federation of Supply and Marketing Cooperatives. This document was drafted by: Jingzhou Miao and Dong Autonomous County Poria Cocos Professional Association, Hunan Provincial Institute of Quality and Standardization, and Hunan Provincial Edible Fungi Association. Association, China Edible Fungi Association, Huaihua Municipal Market Supervision Administration, Jingzhou Zhimei Health Technology Co., Ltd., Hunan Provincial Edible Fungi Research Institute Institute, China National Institute of Standardization, Hunan Provincial Excellent Standards and Coding Technology Service Center, Jingzhou Huayi Poria Cocos Technology Co., Ltd., Jingzhou County Longxuan Spawn producers, Jingzhou Kangyuan Lingye Technology Co., Ltd., Yunnan Baiyao Group Seed Industry Technology Co., Ltd., Shaanxi Chunsen Fungi Industry Co., Ltd. Anhui University of Traditional Chinese Medicine, Pu'er Yulin Agricultural Technology Development Co., Ltd., Yunnan Miaorong Biotechnology Co., Ltd., Hunan Provincial Forestry Science Institute, Jingzhou Miao and Dong Autonomous County Quality and Metrology Inspection and Testing Center, Shaanxi Qingruifeng Edible and Medicinal Fungi Technology Co., Ltd., Jingzhou County Medicinal and Edible Fungi Research institute, Zhejiang Tianquan Biotechnology Co., Ltd., Fujian Lingshanyu Health Technology Co., Ltd., and the Agriculture and Rural Affairs Bureau of Jingzhou Miao and Dong Autonomous County. The main drafters of this document are. Wang Xianyou, Gong He,

Peng Yunxiang, Peng Xiahua, Huang Xiaohui, Yin Xiaoqin, Hu Ruxiao, Chen Weidong, and Xu Zequn. Xi Xingjun, Yang Huan, Shi Lizhen, Yang Chengjin, Zhang Yue, Wang Lei, Wang Yanyan, Han Hongyi, Tan Zhuoming, Sun Yeguang, Mao Fang, Sun Hua, Gao Xuan, Yang Guofeng Zhen Dagui, Zhang Shengming, Song Yunhua, Chu Zhifan, Zheng Zhong, Yang Binghe, Yang Xinqing, Huang Lizhi, Zhao Peisong, Liang Jingwu, Huang Liping, Ni Xiaolin Dao Yongxiu. Technical Specifications for the Production of Poria Cocos Mycelium

1 Scope

GB/T 46506-2025 is the Chinese national standard covering producing fuling spawn - the strain and its maintenance, the media and the sterilisation, the inoculation and incubation conditions, the contamination checks, and the vigour testing before the spawn is sold to a grower. Fuling is one of the most used ingredients in traditional Chinese medicine. First edition, under the All China Federation of Supply and Marketing Cooperatives. In force from 1 February 2026. Issued on 5 October 2025, it has been in force since 1 February 2026.

This document establishes the production procedures for Poria cocos strains, specifying the technical requirements and waste management for mother strain production, primary strain production, and cultivar production. The processing requirements describe the content of production record and file management. This document applies to the production of Poria cocos strains.

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 5749 Standard for Drinking Water Quality

GB/T 12728 Terminology for Edible Fungi

NY/T 528-2010 Technical Specifications for Edible Fungi Spawn Production

3 Terms and Definitions

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

3.1 Hypha The structural unit of filamentous fungi.

Note. Composed of tubular cells, multinucleated, septate, and forming the building blocks of mycelium. [Source: GB/T 12728-2006, 2.2.1, with modifications]

3.2 mycelium An aggregate of hyphae. [Source: GB/T 12728-2006, 2.2.2]

3.3 rhizomorph Rope-like structures formed by the aggregation of hyphae in certain fungi. [Source: GB/T 12728-2006, 2.2.12, with modifications]

3.4 Antagonism The phenomenon of colonies with different genetic makeup inhibiting each other, resulting in non-growing zones or forming different forms of linear edges. [Source: GB/T 12728-2006, 2.3.21]

3.5 Angular sectoring This phenomenon, caused by localized mutations in the mycelium or viral infection, results in thinner mycelia, slower growth, and angular abnormalities on the surface of the mycelium. [Source: GB/T 12728-2006, 2.5.17]