



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

GB 1903.22-2016

**Food Safety National Standard Food Nutrition Enhancers --
Se-enriched edible fungi powder**

食品安全国家标准 食品营养强化剂 富硒食用菌粉

(English Translation)

Issued on: December 23, 2016

Implemented on: June 23, 2017

**Issued by: National Health and Family Planning Commission People's
Republic of China**

Table of Contents

- 1 Scope
- 2 Technical Requirements
 - 2.1 Sensory requirements
 - 2.2 Physical and Chemical Indicators
 - 2.3 Microbiological
- 3 Table, Microbiological

1 Scope

This standard applies to edible fungus as a carrier, the fermentation medium containing sodium selenite converted to organic selenium, and then the powder Broken, drying of food nutrition fortifier selenium-enriched mushroom powder.

2.1 Sensory requirements

Sensory requirements shall comply with the requirements in Table 1.

Table 1 Sensory requirements

Project requires test methods Pale yellow to yellow-brown color Status powder Smell and taste with natural mushroom flavor and taste, odor-free Proper amount of sample is placed in a clean, dry glass dish colorless, natural to light, and the color observed state, and olfactory (product) which taste

2.2 Physical and Chemical Indicators

Physical and chemical indicators should be consistent with the provisions of Table 2.

Table 2. Physical and chemical indicators

Item Index Test Method Total selenium (Se)/(mg/kg) 180 ~ 400 GB 5009.93 Selenium organic selenium total mass percentage, w /% $\geq$ 98 Appendix A A.2 Water, w /% $\leq$ 8 GB 5009.3 Protein, w /% $\geq$ 14 GB 5009.5 Arsenic (As)/(mg/kg) $\leq$ 1.0 GB 5009.76 Lead (Pb)/(mg/kg) $\leq$ 2.0 GB 5009.75 or GB 5009.12 Total mercury (Hg)/(mg/kg) $\leq$ 0.2 GB 5009.17 BHC/(mg/kg) $\leq$ 0.2 GB/T 5009.19 DDT/(mg/kg) $\leq$ 0.1 GB/T 5009.19 Methamidophos/(mg/kg) $\leq$ 0.05 GB/T 5009.103 Note. Fresh mushroom before milling should comply with GB 2762 and GB 2763's.

2.3 Microbiological

Microbiological to comply with Table 3.

3 Table, Microbiological

Item Detection limit Cfu/(CFU/g) <= 30000 GB 4789.2 Coliforms/(MPN/g)