



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

GB 1903.21-2016

**Food safety national standard food nutrition enhancer selenium
-- Enriched yeast**

食品安全国家标准 食品营养强化剂 富硒酵母

(English Translation)

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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 yeast strain in a suitable nutrient fermentation genetically modified non-inoculated, the fermentation culture medium containing Some selenium into organic selenium, after separation, drying of food fortifier selenium enriched yeast.

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 Proper amount of sample is placed in a clean, dry glass beaker colorless, natural light the line, and its color was observed state

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) 1000 ~ 2500 GB 5009.93 Mass percentage of total selenium organic selenium, w /% ≥ 97 Appendix A A.2 Water, w /% ≤ 6.0 GB 5009.3 Protein, w /% ≥ 40 GB 5009.5 Ash, w /% ≤ 10 GB 5009.4 Lead (Pb)/(mg/kg) ≤ 1.0 GB 5009.75 or GB 5009.12 Arsenic (As)/(mg/kg) ≤ 1.0 GB 5009.76 Total mercury (Hg)/(mg/kg) ≤ 1.0 GB 5009.17 Cadmium (Cd)/(mg/kg) ≤ 1.0 GB 5009.15

2.3 Microbiological

Microbiological to comply with Table 3.

3 Table, Microbiological

Item Detection limit Cfu/(CFU/g) ≤ 3000 GB 4789.2 Coliforms/(CFU/g) ≤ 10 GB 4789.3
Plate Count Molds and yeasts/(CFU/g) ≤ 100 GB 4789.15 Escherichia coli/(CFU/g)