



Specifications for Maitake Extract

1. General Description

Product Name	Maitake Extract
Latin Name	Grifola frondosa
Part used	Fruiting body
Extraction Solvent	Water/Ethyl alcohol
Production Process	The product is prepared from maitake fruiting body, by coarse grinding, water extraction, filtering, concentrating, sterilizing, spray drying & sieving, blending & sieving, magnetic separation and packing in accordance with Good Manufacturing Practices (GMPs).
GMO Status	GMO free
Irradiation	Not irradiated
Sterilization Method	High Temperature & Pressure
Additive	No artificial preservatives, flavors or colors
Country of Origin	P.R.China

2. Organoleptic quality

Color	Yellow to yellowish brown powder
Identity	HP-TLC; Botanical reference
Particle Size	95% through 80 mesh
Flavor	Typical of maitake extract, no off flavor

3. Physical quality

Item	Specification	Testing method
Polysaccharide	≥30%	UV(internal method)
Total Ash	< 9.0 %	GB 5009.4
Moisture	<7.0 %	GB 5009.3

Factory Address: East 16-3-1, Zhongnan High-tech Airport Industrial Park, Airport New City, Xixian New Area, Shaanxi, China.

Tel: +86-29-8525 4454

Email: sales@kintaibio.com

Cell phone: +86-133 4743 6038

Web: www.kintai-bio.com



KINTAI
金泰生物

西安金泰生物技术有限公司
Xi'an Kintai Biotech Inc.

4. Chemical quality

Item	Specification	Testing method
Heavy Metals	≤10.0ppm	Atomic Absorption
Arsenic(As)	≤ 1.0ppm	BS EN ISO 17294-2/ICP-MS
Lead(Pb)	≤ 1.0ppm	BS EN ISO 17294-2/ICP-MS
Mercury(Hg)	≤ 0.1ppm	BS EN 13806/AAS
Cadmium(Cd)	≤ 1.0ppm	BS EN ISO 17294-2/ICP-MS

5. Microbiological quality

Microbiological Quality (Total viable aerobic count)		
Total Plate Count	NMT 3,000cfu/g	GB 4789.2
Total Yeast and molds	NMT 200cfu/g	GB 4789.15
Salmonella	Negative/25g	GB 4789.4/ISO 6579-1
Staphylococcus aureus	Negative/25g	GB 4789.10
E. coli	Negative/g	GB 4789.38/ISO 7251

6. Packaging

Typical 25kg/Drum Or 5kg*2 bag/Carton inside or client's requirement;
With food grade plastic inner bag, paper-drum outside

7. Storage and shipping demands

Stored in a cool and dry place, below 25°C, Humidity< 50%.

Protect from moisture, strong light and heat. Sealed in its original package.

8. Shelf life

24 months when properly stored



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