



Certificate of Analysis (COA)

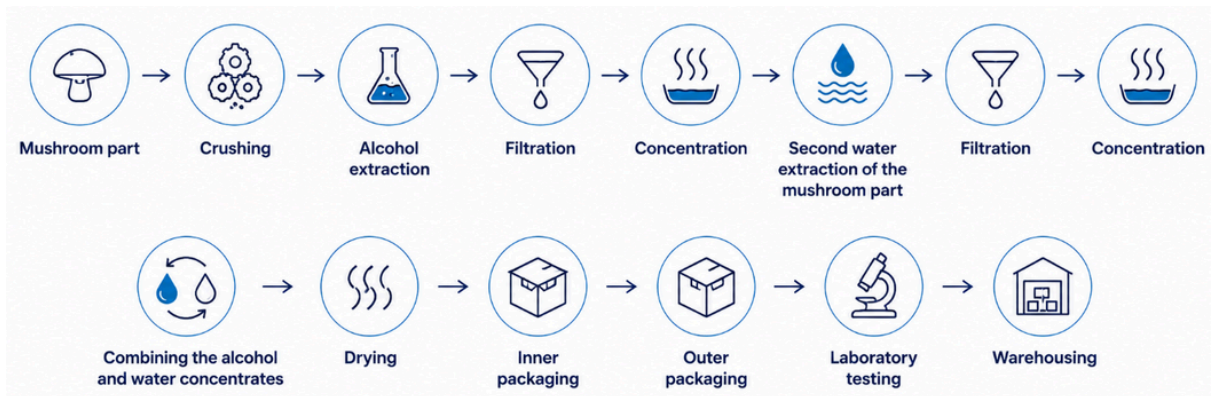
General Specifications

Mushroom Name	Lion's Mane (<i>Hericium erinaceus</i>)
Czech Name	Korálovec ježatý
Origin	Zhejiang Province, China – wild-simulated conditions
Part Used	100% Fruiting body
Extraction Ratio	30:1
Extraction Method	Ethanol solution and water
Production	Organic production, Certified by CZ-BIO-002
Certifications	Halal (Hong Kong), Kosher Pareve (STAR-K, USA)
Vegan/Vegetarian	confirmed

Technical Specifications

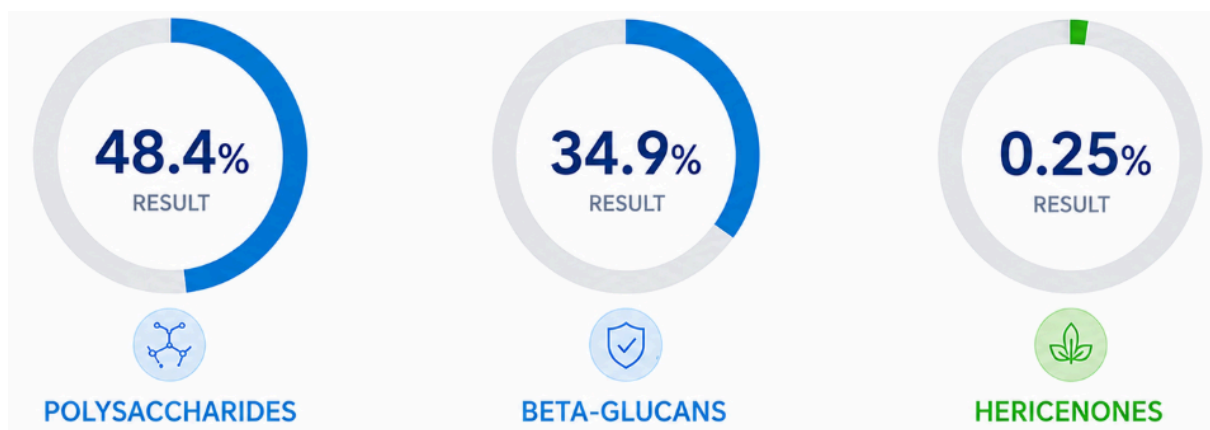
Parameter	Specification	Result
Loss on Drying	≤ 7.0%	3.6 %
Bulk Density	0.35-0.75 g/ml	0.46 g/ml
Tap Density	-	0.67 g/ml

Extraction Process



Active Compounds Analysis

Compound	Specification	Result	Method
Polysaccharides	≥40%	48.4%	UV-spectrophotometric
Beta-Glucans	≥30.0%	34.9%	K-YBGL beta glucan assay kit (Megazyme)
Hericenones	≥0.2%	0.25%	UV-spectrophotometric



Heavy Metals Analysis

Metal	Specification	Result	Method
Lead (Pb)	< 2.0 ppm	0.10 ppm	ICP-MS
Cadmium	< 1.0 ppm	0.05 ppm	ICP-MS
Arsenic	< 1.0 ppm	0.04 ppm	ICP-MS
Mercury	< 0.1 ppm	0.01 ppm	ICP-MS

Microbiological Analysis

Test	Specification	Result	Method
Total Plate Count	< 10 000 CFU/g	460 CFU/g	GB4789.2
Yeasts & Moulds	< 1 000 CFU/g	30 CFU/g	GB4789.15
Escherichia coli	Absent	Conform	GB4789.38
Salmonella	Absent/ 25 g	Conform	GB4789.4
S. aureus	Absent/ 25 g	Conform	GB4789.10

Polycyclic Aromatic Hydrocarbons (PAHs)

PAH	Result
Benzo[a]anthracene	3.5 µg/kg
Chrysene	7.8 µg/kg
Benzo[b]fluoranthene	3.1 µg/kg
Benzo[a]pyrene	2.4 µg/kg
∑4PAU- Lowerbound	17 µg/kg
∑4PAU- Upperbound	17 µg/kg

Pesticides Residues

All 652 pesticides included in the screening panel were below the Limit of Quantification (LOQ), indicating that no pesticide residues were detected above the analytical quantification limits in the tested sample.

Additional Safety Information

- GMO Free
- Not Irradiated
- Free from Allergens

Storage and Shelf Life

Storage: Room temperature or lower, tightly closed, protect from light, moisture and pest infestation

Shelf Life: 3 years when properly stored

Company Information

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This Certificate of Analysis confirms that the product meets the specified quality and safety standards.