Certificate of Analysis (COA)

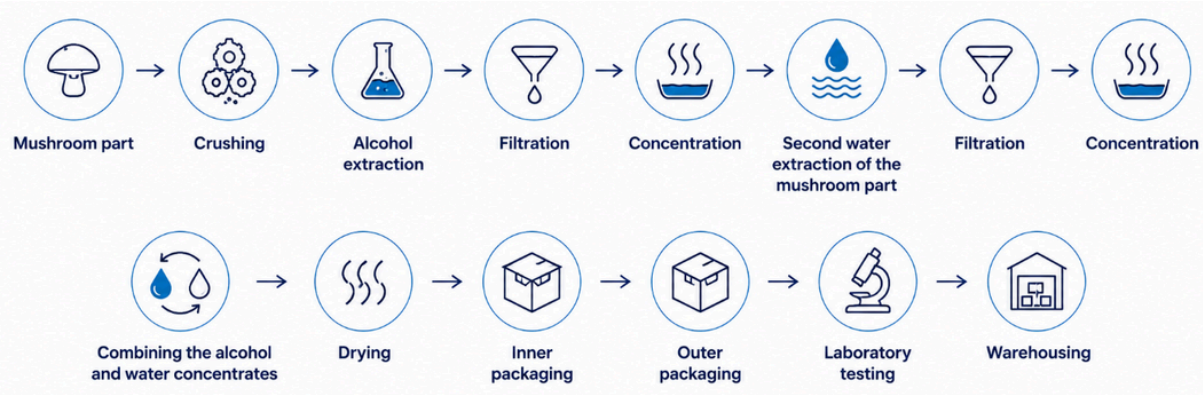
General Specifications

Mushroom Name	Agaricus Blazei (*Agaricus Blazei*)
Czech Name	Žampion mandlový
Origin	Jiangxi Province, China
Part Used	100% Fruiting body
Extraction Ratio	10:1
Extraction Method	Ethanol solution and water
Certifications	Halal (Hong Kong), Kosher Pareve (STAR-K, USA)
Vegan/Vegetarian	confirmed

Technical Specifications

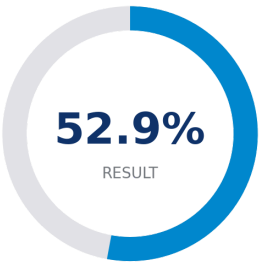
Parameter	Specification	Result
Loss on Drying	≤ 7.0%	4.6 %
Bulk Density	0.45-0.75 g/ml	0.48 g/ml
Tap Density	-	0.69 g/ml

Extraction Process

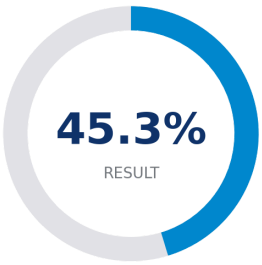


Active Compounds Analysis

Compound	Specification	Result	Method
Polysaccharides	≥45%	52.9%	UV-spectrophotometric
Beta-Glucans	≥35.0%	45.3%	K-YBGL beta glucan assay kit (Megazyme)



POLYSACCHARIDES



BETA-GLUCANS

Heavy Metals Analysis

Metal	Specification	Result	Method
Lead (Pb)	< 2.0 ppm	0.06 ppm	ICP-MS
Cadmium	< 1.0 ppm	0.01 ppm	ICP-MS
Arsenic	< 1.0 ppm	0.02 ppm	ICP-MS
Mercury	< 0.1 ppm	0.03 ppm	ICP-MS

Microbiological Analysis

Test	Specification	Result	Method
Total Plate Count	< 10 000 CFU/g	130 CFU/g	GB4789.2
Yeasts & Moulds	< 1 000 CFU/g	10 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	0.09 µg/kg
Chrysene	0.09 µg/kg
Benzo[b]fluoranthene	0.09 µg/kg
Benzo[a]pyrene	0.09 µg/kg
∑4PAU- Lowerbound	-
∑4PAU- Upperbound	-

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.