

MUSHROOM PLENTY

Premium Organic Mushroom Extracts · B2B Ingredient Supply
mushroomplenty.com · info@mushroomplenty.com

Certificate of Analysis — Sample

Newark, NJ 07104, USA

Document type: Representative Sample CoA

Shiitake Extract

Lentinula (Lentinus) edodes

Product Name	Organic Shiitake Extract
Botanical Name	Lentinula (Lentinus) edodes
Extract Ratio	4:1 (water-extracted)
Part Used	Fruiting Body
Appearance	Brown powder, ≥80 mesh
Lot Reference	MP-SHIITAKE-240401
Date of Manufacture	April 1, 2024
Report Date	May 9, 2024
Shelf Life	36 months from manufacture date
Storage	Airtight, ≤ 25°C, relative humidity ≤ 50%
Certifications	USDA Organic · GMP · HACCP · ISO 9001 · Kosher · Halal
Origin / Warehouse	Sourced from China · Stocked and shipped from Newark, NJ (USA)

Identity, Potency & Moisture

Test	Specification	Result	Method
Identity (species)	TLC conform	Conform	Thin-Layer Chromatography
Total Polysaccharides	≥ 30.0%	37.1%	UV spectrophotometry
Beta-glucans	≥ 20.0%	25.4%	Megazyme enzymatic
Moisture	≤ 9.0%	5.2%	USP <731>
Particle size	100% pass ≥80 mesh	Conform	Sieve analysis
Extraction solvent	Water only	Conform	Process control

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Method
Lead (Pb)	≤ 2.0 ppm	0.08 ppm	ICP-MS
Arsenic (As)	≤ 2.0 ppm	0.15 ppm	ICP-MS
Cadmium (Cd)	≤ 2.0 ppm	0.12 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	0.01 ppm	ICP-MS
Total Heavy Metals	≤ 10 ppm	Conform	ICP-MS summation

Microbiology

Test	Specification	Result	Method
Total Plate Count	< 10,000 CFU/g	50 CFU/g	GB 4789.2
Yeast & Mould	< 500 CFU/g	10 CFU/g	GB 4789.15
Escherichia coli	Negative / g	Negative	GB 4789.38
Salmonella	Negative / 25 g	Negative	GB 4789.4
Staphylococcus aureus	Negative / g	Negative	GB 4789.10

Regulatory Statements

GMO Status	Non-GMO. Not produced from GMO source material.
Allergens	Does not contain any of the Big-9 allergens declared by the FDA.
Irradiation	Product has not been irradiated.
Solvents	Water only. No alcohol, hexane or other organic solvents used in extraction.
Suitable for	Dietary supplements, functional beverages, functional food, topical, pet applications.

Quality Assurance Statement. This document is a representative sample Certificate of Analysis. Every Mushroom Plenty ingredient lot is tested to specification by our QC partners and verified on arrival at our Newark, NJ warehouse prior to release. Each shipment is accompanied by its own **lot-specific CoA** matched to the exact batch delivered. For GMP audits, pesticide panels, residual solvent data, or custom specifications, contact info@mushroomplenty.com.

Conclusion: Product meets Mushroom Plenty specifications.

Authorized by:

Document controlled by:

Mushroom Plenty QA

QA-SAMPLE-SHIITAKE

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Issued: May 9, 2024



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