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SPECIFICATION SHEET

L-Ergothioneine 99.0%

Product Name	L-Ergothioneine	**CAS No.**	497-30-3
Molecular Formula	C9H15N3O2S	**Molecular Weight**	229.29

Test Item	Specification	Test Method
Appearance	White to off-white crystalline powder	Visual
Odor & Taste	Odorless	Organoleptic
Identification	Corresponds to reference standard	HPLC
Assay (on dried basis)	≥ 99.0%	HPLC
Purity	≥ 99.0%	HPLC
pH (5% solution)	6.0 - 7.5	USP<791>
Melting Range	275°C - 277°C	USP<741>
Specific Rotation	≥ +122°	USP<781>
Loss on Drying	≤ 0.30%	USP<731>
Ethanol (Residual Solvent)	≤ 300 ppm	GC
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP<2021>
Total Yeast & Mold	≤ 100 cfu/g	USP<2021>
E. coli (in 10g)	Negative	USP<2022>
Salmonella (in 25g)	Negative	USP<2022>
S. aureus (in 10g)	Negative	USP<2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 04, 2026