



Xi'An Rainbow Biotech Co., Ltd

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CERTIFICATE OF ANALYSIS

Description	L-(+)-Ergothioneine 98% min by HPLC		
CAS#	497-30-3	MFW	229.30g/mol
MF	C ₉ H ₁₅ N ₃ O ₂ S	ManufactureDate	Jun.09,2022
Batch#	L-E 06092022	Quantity	12.1 kg

ITEMS	SPECIFICATION	RESULTS	METHODS
Appearance	White powder	Conform	Visual
Loss on Drying	≤5.0%	0.38%	USP<731>
Residue on Ignition	≤2.0%	0.15%	USP<281>
Purity	≥98%	99.99%	HPLC
Solvent Residues	≤5000 ppm	Conform	GC

Heavy metals

Heavy Metals	≤10ppm	Conform	ICP-MS
Lead	≤2ppm	Conform	ICP-MS
Arsenic	≤1ppm	Conform	ICP-MS
Mercury	≤0.1ppm	Conform	ICP-MS
Cadmium	≤1ppm	Conform	ICP-MS

Microbiological

Total Plate Count	<1000 cfu/g	Conform	USP<2021>
Yeast & Mold	<100 cfu/g	Conform	USP<2021>
E.Coli	Negative	Conform	USP<2022>
Salmonella	Negative	Conform	USP<2022>
Staphylococcus	Negative	Conform	USP<2022>

Storage: Store in cool & dry place, keep away from strong light and heat

Stability: 24 months when properly stored

Packing: Packed in paper-drums with two food grade plastic-bag inside, 25 kg/Drum or as requested

Quality Control Manager: Shifu Lei

Quality Assurance Manager: Tao Ye