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V2.01-2021

Certificate of Analysis

Product Information			
Product Name	L-(+)-Ergothioneine	Report Number	EGT20240831
CAS No.	497-30-3	Manufacture Date	2024/08/06
Batch Number	EGT240806	Analysis Date	2024/08/11
Batch Quantity	100Kg	Expiry Date	2026/08/05
Test Items	Specifications	Result	Test Methods
Appearance	White Crystalline Powder	Conforms	Visual
Purity	>99.9%	99.98%	HPLC
Smell	Characteristic	Conforms	Organoleptic
pH (50mg/mL)	6.0 ~ 7.5	6.29	pH Meter
Melting Point	270°C ~ 271°C	Conforms	Melting Point Detector
Optical Rotation	[α] _D ≥(+)122°	+125.1°	Polarimeter(C=1,H ₂ O)
Crystallite Size	Through 50 mesh	Conforms	Sieve
Density	0.55g/mL ~ 0.75g/mL	Conforms	Bulk Density Meter
Loss on Drying	<0.5%	0.29%	TGA
Total Residual Solvents	<200ppm	49.5ppm	GC
Arsenic (As)	<1.0mg/kg	Conforms	ICP-MS
Lead (Pb)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.2mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<0.3mg/kg	Conforms	ICP-MS
Total Aerobic Count	≤1000cfu/g	Conforms	USP<61>
Yeast & Moulds	≤100cfu/g	Conforms	USP<61>
E-Coli	Negative	Conforms	USP<62>
Salmonella	Negative	Conforms	USP<62>
Staphylococcus Aureus	Negative	Conforms	USP<62>
Conclusion			
Conclusion	To be complied with in-house Specification		
Shelf Life	2 years when properly stored.		
Storage	Store in cool & dry place, not freeze. Keep away from strong light.		

Tested by: 张丽娟

Checker: 李明

Approved:

