

Certificate Of Analysis

Product Name:	Ergothioneine		
CAS Number:	497-30-3	Reference:	In-house
Batch Number:	YGAF24022601	Batch Quantity:	11.2kg
Date of Production:	Feb 26, 2024	Date of Expiration:	Feb 25, 2026
Types:	☒ Manufacturer ☐ Traders ☐ Other		

Items	Specifications	Test Results	Methods
Purity	≥99.9%	99.98%	HPLC (External Standard Method)
Physical & Chemical Control:			
Appearance	White crystal	Conform	Visual observation
Smell	Characteristic odor	Conform	Nose smells
pH (50mg/mL, 20℃)	6.0-7.5	6.53	pH meter
Melting Point (Decompose)	270-271℃	270.5℃	Melting point detector
Optical Rotation	$[\alpha]_D^{25} \geq (+)122^\circ$ (c=1, H ₂ O)	+124.9°	Polarimeter (c=1, H ₂ O)
Crystallite size	100% pass rate for 50 mesh	Conform	Sieve
Density	0.55-0.75g/mL	Conform	Bulk density meter
Loss on Drying	<0.5%	0.11%	TGA
Total Residual Solvents	≤200 ppm	48.2 ppm	GC
Heavy Metals Control:			
Arsenic	≤1 ppm	Conform	ICP
Lead	≤1 ppm	Conform	ICP
Mercury	≤0.2 ppm	Conform	ICP
Cadmium	≤0.3 ppm	Conform	ICP
Total Heavy Metals	≤10 ppm	Conform	ICP
Microbiological Control:			
E. coli	Negative/25g	Conform	USP<62>
Staphylococcus aureus Rosenbach	Negative/25g	Conform	USP<62>
Salmonella	Negative/25g	Conform	USP<62>
P. aeruginosa	Negative/25g	Conform	USP<62>
Total Coliform	<100 CFU/g	Conform	AOAC
Total Yeast and Mold Count	≤100 CFU/g	Conform	USP<61>
Total Viable Aerobic Count	≤1000 CFU/g	Conform	USP<61>

Packing: 500g sterile bag packaging, wrapped in aluminum foil bags.

Storage: Sealed and stored in cool and dry place, protect from sunlight and moisture.

Analyst (QC): <i>Yanhong Zhang</i>	Approver (QA): <i>Fei Xu</i>
Date: <i>Mar. 3, 2024</i>	Date: <i>March. 03 2024</i>

☆Certified by GRAS, and a lot of efficacy tests data☆

ISO9001

ISO14001

ISO45001

ISO22000

VEGAN

HALAL

KOSHER



Address: 25 No.Bio-chemicals Technical Zoon,Yuhang District, Hangzhou city,Zhejiang P.R China

Tel: +86-571-85099223 Fax: +86-571-85099222

MOBEL BIOMATERIALS TECHNOLOGY CO.,LIMITED

Add: 25 NO.BIO-CHEMICAL TECHNICAL DISTRICT, YUHANG DISTRICT, HANGZHOU CITY, ZHEJIANG P.R CHINA 310001

TEL:+86-571-85099223

FAX: +86-571-85099222

EMAIL: sales@mobelbiochem.com

To Whom it may Concern

VEGAN STATEMENT

The item L-Ergothioneine (EGT) manufactured by Mobelbio.,llc
is biosynthesized ,Non-aminal source.

GMO-Free

The company does not use any products or raw materials of animal origin and
Synthetic Peptides therefore suitable for all classes of Vegetarians and Vegans.

Since no animal products or materials derived from animal products are used
during or after manufacture, there is no source of BSE (Bovine Spongiform
Encephalopathy) or TSE (Transmissible Spongiform Encephalopathy) agents.

Company Name: Mobel Biomaterials Technology Co.,Ltd

Date: 10/25/2023