

Certificate of Analysis

Product Name	L-Ergothioneine	Batch No.	QY-MJLY20240123
Manufacturing Date	2024-01-23	Expiration Date	2026-01-22

Item	Specification	Result
Assay	L-Ergothioneine 99.5%	99.9%
Appearance	White Powder	Conforms
Odor & Taste	Characteristic	Conforms
Analytical Quality		
Identification	Corresponds to the reference	Conforms
Transmittance	$\geq 98\%$	99.7%
Loss on Drying	$\leq 0.5\%$	0.04%
Ash	$\leq 0.1\%$	0.07%
Specific Rotation	$\geq (+)122^\circ$	127°
pH	6.0-8.0	6.1
Melting Range	$275\sim 277^\circ\text{C}$	$275\sim 275.2^\circ\text{C}$
Impurity	$\leq 0.8\%$	0.08%
Ethyl Alcohol	$< 300\text{ppm}$	Conforms
Total Heavy Metals		
Arsenic(As)	$\leq 1\text{ppm}$	Conforms
Lead(Pb)	$\leq 1\text{ppm}$	Conforms
Mercury(Hg)	$\leq 0.1\text{ppm}$	Conforms
Cadmium(Cd)	$\leq 0.1\text{ppm}$	Conforms
Conclusion	Conform with specification	

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 24 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2024-01-28