

CERTIFICATE OF ANALYSIS

Product Name	L-Theanine	Batch kgs	250kg
Batch Number	SOST-20240315	Issue Date	2024.03.20
MFG. Date	2024.03.15	Expiration Date	2026.03.14
Executive standard	FACTORY STANDARD		

Items	Limits	Test results
Description	White to yellowish White crystals or crystalline powder	Conforms
Solution clarity	Clear and colorless	Clear and colorless
Melting point	202.0~215.0°C	210.8~211.5°C
Assay	98.0~102.0%	100.3
Specific Rotation	+ 7.5° - + 8.5°	7.9°
PH	4.5-6.0	5.4
Loss on drying	≤1.0%	0.1
Residue on ignition	≤0.20%	0.1
Chloride	≤0.02%	<0.02%
Sulfate	≤0.02%	<0.02%
Particle size	90% through 0.18mm mesh	Conform
Heavy metals	≤10ppm	<10ppm
Iron (Fe)	≤30ppm	<30ppm
Arsenic(As)	≤2ppm	<2ppm
Mercury(Hg)	≤0.1ppm	<0.1ppm
Cadmium	≤1ppm	<1ppm
Total Plate Count	≤1000CFU/g	<1000CFU/g

Yeast and Molds	≤100 CFU/g	< 100 CFU/g
Coliforms	Negative	Negative
Salmonella	Negative in 25g	Conformsconform
Conclusion: Passed test according to the factory standard.		

QC MANAGER: Feng Li

ANALYST: Guo Shan

