

Certificate of analysis

of 29/08/2025

Product Name	L-Theanine	Manufacturing Date	2025-07-14
Batch No.	HB-CAS20250714	Report Date	2025-07-19
Batch Quantity	5000KG	Expiration Date	2027-07-13

Item	Specification	Result
Assay	98.0%~102.0%	98.28 % HPLC
Organoleptic		
Appearance	White slightly yellowish graininess crystalline or powder crystalline	Conforms
Specific clarity	+7.7° ~+8.5°	+8.2°
Solution clarity	Clear and colorless	Conforms
Chloride	≤0.02%	Conforms
Sulfate	≤0.02%	Conforms
Physical Characteristics		
Particle Size	NLT100%Through 80 mesh	100 mesh
Loss on Drying	≤1.0%	0.04%
Residue on ignition	≤0.2%	0.0%
Heavy metals		
Total Heavy Metals	≤10ppm	Conforms
Arsenic	≤2ppm	Not detected
Lead	≤2ppm	Not detected
Iron	≤1ppm	Not detected
Cd	≤1ppm	Not detected
Hg	≤0.1ppm	Not detected
Total Plate Count	≤10000cfu/g	Conforms
Total Yeast & Mold	≤100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative