



Certificate of Analysis

Product Name: L-Theanine		
Batch No: LTH250318004	Batch Size: 500kg	
Manufacture Date: 2025/03/18	Expiry Date: 2027/03/17	
Date of test: 2025/03/18	Date of report: 2025/03/24	
Items	Specifications	Results
Character	White granular crystals or powdery crystals	Conforms
Taste and odor	Has a unique odor of this product,slightly sweet	Conforms
impurity	No visible foreign impurities with normal vision	Conforms
Identification	Conforms to the standard	Conforms
Specific rotation	+7.7°~+8.5°	+8.0°
Solution clarity	Clear and colorless	Conforms
Loss on drying	≤0.2%	0.18%
Residue on ignition	≤0.1%	<0.08%
Transmittance	≥98%	99.3%
Other amino acids	≤0.5%	<0.5%
Assay	98.5%-101.0%	99.7%
pH	5.0-6.0	5.7
Particle size	100% passes through 80 mesh screen	Conforensi
Chloride	≤0.02%	Conforms.
Sulfate	≤0.02%	Conforms
Heavy metal (as Pb)	≤5mg/kg	Conforms
Arsenic(as As)	≤0.2mg/kg	Conforms
Mould and yeast	≤50CFU/g	Conforms
Total colony number	≤1000CFU/g	Conforms
Coliforms	Negative	Not detected
Pathogenic bacteria	Negative	Not detected

Conclusion: The batch test conform with the light industry standard of the people's Republic of China QB/T5633.11-2023.