

CERTIFICATE OF ANALYSIS

Product Name	L-Threonine	Specification	Company Standard
CAS No.	72-19-5	Manufacture Date	2024.10.10
Quantity	1000KG	Analysis Date	2024.10.17
Batch No.	BF-241010	Expiry Date	2026.10.9

Items	Specifications	Results
Assay	98.5% ~ 101.5%	99.50%
Appearance	White crystals or crystalline powder	Complies
Odor	Characteristic	Complies
Identification	Infrared Absorption	Complies
Specific Optical Rotation $[\alpha]_D^{25}$	-26.7° ~ -29.1°	-28.5°
pH	5.0 ~ 6.5	5.7
Loss on Drying	≤ 0.20%	0.12%
Residue on Ignition	≤ 0.40%	0.06%
Chloride (as Cl)	≤ 0.05%	< 0.05%
Sulphate (as SO ₄)	≤ 0.03%	< 0.03%
Iron (as Fe)	≤ 0.003%	< 0.003%
Heavy Metals(as Pb)	≤ 0.0015 ppm	Complies
Package	25kg/bag.	
Storage	Store in a cool and dry place, keep away from strong light and heat.	
Shelf Life	Two years when properly stored.	
Conclusion	Sample Qualified.	

Analyst: Jiayan Yang

Checked By: Fei Shen

Manager: Xiaoyu Wang

