



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

- L-Threonine

Product Name: L-Threonine

Product Number L-THR-20260226
Batch Number LTHR-SH2026022601
Brand SIGALD
CAS Number 72-19-5
EINECS Number 200-774-1
Formula $C_4H_9NO_3$
Formula Weight 119.12 g/mol
Quality Release Date 26 FEB 2026

Test Results

Test	Specification (Food/Feed/Pharm Grade)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, free-flowing	Crystalline powder	-	Visual Inspection
Odor	Odorless or faint characteristic odor	Odorless	-	Sensory Evaluation
Assay (L-Threonine)	≥ 98.5%	99.2%	%	HPLC
Specific Rotation (20°C, 5% in H ₂ O)	-26.0° to -29.0°	-27.5°	°	Polarimeter
pH Value (25°C, 5% Aqueous Solution)	5.0 - 6.5	5.8	-	Digital pH Meter
Loss on Drying (105°C, 3h)	≤ 0.5%	0.10%	%	Gravimetric Method
Residue on Ignition (Ash)	≤ 0.1%	0.02%	%	Gravimetric Method (550°C)
Heavy Metals (Pb)	≤ 0.5 ppm	0.06 ppm	ppm	ICP-MS
Heavy Metals (As)	≤ 0.2 ppm	0.01 ppm	ppm	ICP-MS
Chloride (Cl ⁻)	≤ 0.02%	0.004%	%	Titrimetric Method
Sulfate (SO ₄ ²⁻)	≤ 0.02%	0.003%	%	Turbidimetric Method
Iron (Fe)	≤ 10 ppm	1.8 ppm	ppm	Colorimetric Method
Total Plate Count	≤ 100 CFU/g	< 10 CFU/g	CFU/g	GB 4789.2
E. coli	Negative in 25g	Negative	-	GB 4789.3
Salmonella	Negative in 25g	Negative	-	GB 4789.4

Certification This batch of product has been tested in accordance with the national and industrial standards for L-Threonine and meets all specified requirements. It is qualified for use as an essential amino acid nutritional fortifier in food, animal feed, and pharmaceutical formulations.

Issue Date: 26 FEB 2026