

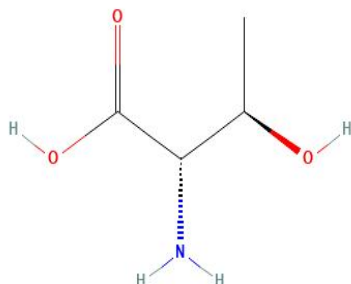


Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: L-Threonine

Chemical Structure:



Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

CAS No.: 72-19-5

Specifications

Item	Limit	Analysis method
Appearance	White crystals or crystalline powder	Visual
Identification	Infrared absorption	USP <197K>
Assay (on dried basis)	98.5% - 101.5%	Titration (perchloric acid)
Specific rotation [α] _{25D}	-26.7° to -29.1°	USP <781>
Chloride (as Cl)	Not more than 0.05%	USP <221>
Sulfate (as SO ₄)	Not more than 0.03%	USP <221>
Iron (as Fe)	Not more than 0.003%	USP <241>
Heavy metals (as Pb)	Not more than 0.0015%	USP <231>
Loss on drying	Not more than 0.20%	USP <731>
Residue on ignition	Not more than 0.40%	USP <281>
pH	5.0 - 6.5	pH meter

Recommended shelf life: 2 years

External packing: Fibre drum, 25 kg net

Inner packing: Double-layer PE bag

Storage: Preserve in tight containers, protected from light, in a cool and dry place.

Note: Analytical methods refer to current USP general chapters and the manufacturer's standard (USP 36); this document is for reference only and the quality of each batch is subject to the COA supplied with the goods.

Preparation Date: Sep. 21, 2026 | Version: 1.0 | Prepared by:

Product code: JC-THR-001 | Product name: L-Threonine