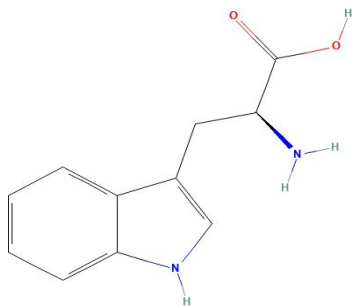




Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: L-Tryptophan
Chemical Structure:



Molecular Formula: C₁₁H₁₂N₂O₂
Molecular Weight: 204.23
CAS No.: 73-22-3

Specifications

Item	Limit	Analysis method
Description	White to pale yellow crystalline powder	Visual
Identification	Meets the requirements	USP <197K>
Specific rotation [α] _{25D}	-29.4° to -32.8°	USP <781>
pH	5.5 - 7.0	pH meter
Loss on drying	Not more than 0.3%	USP <731>
Residue on ignition	Not more than 0.1%	USP <281>
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>
Assay (on dried basis)	98.5% - 101.5%	Titration (perchloric acid)

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 32); 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-TRP-001 | Product name: L-Tryptophan