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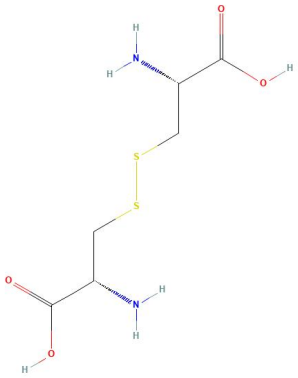
Jincheng Bio-Tech (Tianjin) Co., Ltd.

Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: L-Cystine
Chemical Structure:



Molecular Formula: C6H12N2O4S2
Molecular Weight: 240.30
CAS No.: 56-89-3

Specifications

Item	Limit	Analysis method
Description	White crystalline powder	Visual
Identification	Infrared absorption	USP <197K>
Assay	Not less than 98.5%	Bromate titration (ChP)
Specific optical rotation	-215° to -230°	USP <781>
pH	5.0 - 6.5	pH meter
Transmittance	Not less than 90%	Spectrophotometry
Loss on drying	Not more than 0.20%	USP <731>
Residue on ignition	Not more than 0.10%	USP <281>
Heavy metals (as Pb)	Not more than 20 ppm	USP <231>
Sulfate	Not more than 0.03%	USP <221>
Iron	Not more than 20 ppm	USP <241>

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 (FCC V); 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-CYS-001 | Product name: L-Cystine