

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-03-18 11:36:17

Date of Next Testing: 2030-03-17 11:36:17

Product Name: **L-Cystine**

CAS Number: 56-89-3

Specifications & Purity: Ultra-pure grade, 99.5%

Lot #: C2616161

SKU #: **S52659**

Version: **0**

Analysis #: **679245**

Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Zinc(Zn)	0-5 (ppm)	5.00 ppm
Potassium(K)	0-50 (ppm)	25.00 ppm
Calcium(Ca)	0-50 (ppm)	25.00 ppm
Cadmium(Cd)	0-5 (ppm)	5.00 ppm
Sodium(Na)	0-150 (ppm)	100.00 ppm
Purity(HPLC)	99.5-100 (%)	99.94400 %
(Pb)Lead	0-5 (ppm)	5.00 ppm
Chloride (Cl-)	0-500 (ppm)	250.00 ppm
Iron(Fe)	0-10 (ppm)	5.00 ppm
Magnesium(Mg)	0-5 (ppm)	5.00 ppm
Chromium(Cr)	0-5 (ppm)	5.00 ppm
Specific Rotation [α] ₂₀ /D(c=2 in 1 M HCl)	-224--214 (°)	-214.61 °
Nickel(Ni)	0-5 (ppm)	5.00 ppm
Loss on drying	0-0.1 (%)	0.10 %
Manganese(Mn)	0-5	5.00
Cobalt(Co)	0-5 (ppm)	5.00 ppm
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	50.00 ppm
Copper(Cu)	0-6 (ppm)	3.00 ppm
Sulfate Ash	0-0.1 (%)	0.04 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Appearance(S52659)	Colorless or White Powder to Crystals	Colorless or White Powder to Crystals

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Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

