

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-30 10:58:50

Date of Next Testing: 2029-10-29 10:58:50

Product Name: **L-Cystine**

CAS Number: 56-89-3

Specifications & Purity: Moligand™, Ultra pure, ≥99.5%

Lot #: J2524432

SKU #: **C108227**

Version: **2**

Analysis #: **600563**

Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Zinc(Zn)	0-5 (ppm)	0.52600 ppm
Potassium(K)	0-50 (ppm)	2.35100 ppm
Calcium(Ca)	0-50 (ppm)	1.05200 ppm
Cadmium(Cd)	0-5 (ppm)	0.57200 ppm
Sodium(Na)	0-150 (ppm)	10.23600 ppm
Purity(HPLC)	99.5-100 (%)	99.74500 %
(Pb)Lead	0-5 (ppm)	0.04100 ppm
Chloride (Cl-)	0-500 (ppm)	0.56300 ppm
Iron(Fe)	0-10 (ppm)	0.16200 ppm
Magnesium(Mg)	0-5 (ppm)	0.20400 ppm
Chromium(Cr)	0-5 (ppm)	0.02360 ppm
Specific Rotation [α] ₂₀ /D(c=2 in 1 M HCl) -224--214 (°)		-223.58600 °
Nickel(Ni)	0-5 (ppm)	0.41500 ppm
Loss on drying	0-0.1 (%)	0.02360 %
Manganese(Mn)	0-5	0.10500
Cobalt(Co)	0-5 (ppm)	0.02530 ppm
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	1.23500 ppm
Copper(Cu)	0-6 (ppm)	0.40200 ppm
Sulfate Ash	0-0.1 (%)	0.00000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Appearance(C108227)	Colorless or White Powder to Crystals	Colorless or White Powder to Crystals



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager