

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-21 09:03:55

Date of Next Testing: 2030-08-20 09:03:55

Product Name: **L-Cystine**

CAS Number: 56-89-3

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

Lot #: H2612478

SKU #: **C108227**

Version: **2**

Analysis #: **761369**

Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Zinc(Zn)	0-5 (ppm)	0.10580 ppm
Potassium(K)	0-50 (ppm)	0.10500 ppm
Calcium(Ca)	0-50 (ppm)	0.02530 ppm
Cadmium(Cd)	0-5 (ppm)	0.10500 ppm
Sodium(Na)	0-150 (ppm)	0.02520 ppm
Purity(HPLC)	99.5-100 (%)	99.52000 %
(Pb)Lead	0-5 (ppm)	0.10200 ppm
Chloride (Cl-)	0-500 (ppm)	0.13520 ppm
Iron(Fe)	0-10 (ppm)	0.52800 ppm
Magnesium(Mg)	0-5 (ppm)	0.01350 ppm
Chromium(Cr)	0-5 (ppm)	0.02520 ppm
Specific Rotation [α] ₂₀ /D(c=2 in 1 M HCl)	-224--214 (°)	-214.20000 °
Nickel(Ni)	0-5 (ppm)	0.25200 ppm
Loss on drying	0-0.1 (%)	0.02350 %
Manganese(Mn)	0-5	0.10500
Cobalt(Co)	0-5 (ppm)	0.10500 ppm
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	0.10500 ppm
Copper(Cu)	0-6 (ppm)	0.15200 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

John Su

John Su
QA & QC Manager