

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-14 10:35:23
 Date of Next Testing: 2029-11-13 10:35:23
 Product Name: **L-Cysteine**
 CAS Number: 52-90-4
 Specifications & Purity: Moligand™, Animal Free, for cell culture, ≥98%
 Lot #: K2511251
 SKU #: **C108238**
 Version: **1**
 Analysis #: **601661**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.03 (%)	0.01500 %
(As)Arsenic	0-1 (ppm)	0.50000 ppm
Assay	98-100 (%)	99.90000 %
Iron(Fe)	0-10 (ppm)	5.00000 ppm
Ammonia (NH4)	0-0.02 (%)	0.01000 %
Heavy metal (as Pb)	0-10 (ppm)	5.00000 ppm
Chloride (Cl-)	0-0.04 (%)	0.02000 %
Specific Rotation [α] ₂₀ /D(c=8 in 1 M HCl)	8.3-9.5 (°)	8.70000 °
Endotoxin Assay	0-1 (EU/mg)	0.50000 EU/mg
Appearance (C108238)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass
Cell Line test	Attached Cell Line	Attached Cell Line
Solubility in H ₂ O , Clear Colorless ,c = 25mg/ml, H ₂ O	pass	Pass



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager