

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 14:35:13
 Date of Next Testing: 2029-10-12 14:35:13
 Product Name: **L-Cysteine hydrochloride**
 CAS Number: 52-89-1
 Specifications & Purity: $\geq 98\%$
 Lot #: L2125327
 SKU #: **C113143**
 Version: **1**
 Analysis #: **586349**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.94000 %
Loss on drying	0-2 (%)	0.98100 %
Specific Rotation($c=8$ in 1 M HCl at 20 deg C)	5.6-8.9 ($^{\circ}$)	6.51000 $^{\circ}$
Appearance (C113143)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in pass H ₂ O		Pass



John Su
QA & QC Manager