

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-30 09:47:43  
Date of Next Testing: 2029-08-29 09:47:43  
Product Name: **L-Cysteine hydrochloride , anhydrous**  
CAS Number: 52-89-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: H2527249  
SKU #: **C113143**  
Version: **1**  
Analysis #: **550155**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.87600%
Specific Rotation(c=8 in 1 M HCl at 20 deg C)	5.6-8.9 (°)	6.02600°
Loss on drying	0-2 (%)	1.31%
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in pass H <sub>2</sub> O		Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (C113143)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



John Su  
QA & QC Manager