

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-10 17:10:53
Date of Next Testing: 2027-08-09 17:10:53
Product Name: **L-Cysteine hydrochloride , anhydrous**
CAS Number: 52-89-1
Specifications & Purity: 98%
Lot #: H2308253
SKU #: **C113143**
Analysis: 010150
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.80300 %
Loss on drying	0-1 (%)	0.90 %
Specific Rotation [a] ₂₀ /D(c=5 in 1N HCl)	6.5-9.5 (°)	6.51 °
Appearance (C113143)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager