

Certificate of Analysis

Date of Testing: 2025-02-05 11:36:16
Date of Next Testing: 2029-02-04 11:36:16
Product Name: **L-Cysteine hydrochloride , anhydrous**
CAS Number: 52-89-1
Specifications & Purity: $\geq 98\%$
Lot #: A2517218
SKU #: **C113143**
Version: **1**
Analysis #: **455564**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.99500 %
Specific Rotation(c=8 in 1 M HCl at 20 deg C)	5.6-8.9 (°)	6.70000 °
Loss on drying	0-1 (%)	0.76 %
Appearance (C113143)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager