

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-25 13:48:25
Date of Next Testing: 2024-05-24 13:48:25
Product Name: **L-Cysteine**
CAS Number: 52-90-4
Specifications & Purity: 99%
Lot #: E2317684
SKU #: **C108237**
Version: **0**
Analysis #: **214522**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=8 in 1mol/L HCl)	8.3-9.2 (°)	9.00°
Purity(Iodometric Titration)	98.5-101.5 (%)	99.60%
Enantiometric Excess	96-100 (%)	98.00%
Appearance (C108237)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 N HCl,c = 5%	Clear Colorless	Clear Colorless



John Su
QA & QC Manager