

## Certificate of Analysis

Date of Testing: 2024-01-12 16:13:55  
Date of Next Testing: 2025-01-11 16:13:55  
Product Name: **L-Cysteine**  
CAS Number: 52-90-4  
Specifications & Purity: 99%  
Lot #: G2219340  
SKU #: **C108237**  
**Analysis:** **313769**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=8 in 1mol/L HCl)	8.3-9.2 (°)	9.10°
Enantiometric Excess	96-100 (%)	96.00%
Purity(Iodometric Titration)	98.5-101.5 (%)	99.10%
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