

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-28 10:29:31  
Date of Next Testing: 2026-06-27 10:29:31  
Product Name: **L-Cysteine**  
CAS Number: 52-90-4  
Specifications & Purity: 99%  
Lot #: F2222302  
SKU #: **C108237**  
**Analysis:** **100032**  
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 (°)	8.50°
Purity(Iodometric Titration)	98.5-101.5 (%)	99.80%
Enantiometric Excess	96-100 (%)	96.00%
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