

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-17 18:47:52  
 Date of Next Testing: 2027-03-17 18:47:52  
 Product Name: **L-Cysteine**  
 CAS Number: 52-90-4  
 Specifications & Purity: Moligand™, ≥99%  
 Lot #: B2628476  
 SKU #: **C108237**  
 Version: **0**  
 Analysis #: **660652**  
 Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                 | Limit Values                    | Result                          |
|-----------------------------------------------------------|---------------------------------|---------------------------------|
| Specific Rotation [α] <sub>20/D</sub> (c=8 in 1mol/L HCl) | 8.3-9.2 (°)                     | 8.90000 °                       |
| Enantiometric Excess                                      | 96-100 (%)                      | 96.00000 %                      |
| Purity(Iodometric Titration)                              | 98.5-101.5 (%)                  | 100.10000 %                     |
| 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