

Certificate of Analysis

Date of Testing: 2023-05-25 13:46:49
Date of Next Testing: 2024-05-24 13:46:49
Product Name: **L-Cysteine**
CAS Number: 52-90-4
Specifications & Purity: 99%
Lot #: E2317677
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