

Certificate of Analysis

Date of Testing: 2024-10-21 10:40:27
Date of Next Testing: 2025-10-21 10:40:27
Product Name: **L-Cysteine**
CAS Number: 52-90-4
Specifications & Purity: Moligand™, ≥99%
Lot #: J2415162
SKU #: **C108237**
Version: **0**
Analysis #: **365217**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---------------------------------|---------------------------------|
| Specific Rotation [α] ₂₀ /D(c=8 in 1mol/L HCl) | 8.3-9.2 (°) | 8.80° |
| Enantiometric Excess | 96-100 (%) | 96.01% |
| Purity(Iodometric Titration) | 98.5-101.5 (%) | 99.30% |
| 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