

Certificate of Analysis

Date of Testing: 2022-03-24 17:23:26
Date of Next Testing: 2026-03-23 17:23:26
Product Name: **L-Cystine**
CAS Number: 56-89-3
Specifications & Purity: 99%
Lot #: C2222461
SKU #: **C108225**
Analysis: **078177**
Storage Temperature: Protected from light, Desiccated

| Parameter | Limit Values | Result |
|--|---------------------------|---------------------------|
| Carbon by Elemental Analysis | 29.4-30.6 (%) | 30.12 % |
| Purity(HPLC) | 98-100 (%) | 99.86500 % |
| Nitrogen by Elemental Analysis | 11.4-11.9 (%) | 11.53 % |
| Sulfate Ash | 0-0.1 (%) | 0.05 % |
| Heavy metal (as Pb) | 0-10 (ppm) | 5.00 ppm |
| Loss on drying(105°C, 3h) | 0-0.5 (%) | 0.25 % |
| Specific Rotation [a] _D 20(c=1 in 1mol/L HCl) | -230--215 (°) | -215.01 ° |
| Appearance (C108225) | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in 1 M HCl , Colorless to Light Yellow,Clear,50 mg/mlpass | | Pass |



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