

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-30 17:56:37

Date of Next Testing: 2029-10-29 17:56:37

Product Name: **L-Cystine (H-Cys-OH)₂**

CAS Number: 56-89-3

Specifications & Purity: Moligand™, ≥99%

Lot #: J2528307

SKU #: **C108225**

Version: **2**

Analysis #: **593327**

Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.4-30.6 (%)	30.00600 %
Purity(HPLC)	99-100 (%)	99.73300 %
Specific Rotation [α] ₂₀ /D(c=1 in 1mol/L HCl)	-230--215 (°)	-218.88400 °
Nitrogen by Elemental Analysis	11.4-11.9 (%)	11.66600 %
Sulfate Ash	0-0.1 (%)	0.00000 %
Heavy metal (as Pb)	0-10 (ppm)	6.00000 ppm
Loss on drying(105°C, 3h)	0-0.5 (%)	0.05904 %
Appearance (C108225)	White to Off-White Powder	White to Off-White Powder
Solubility in 1 M HCl , Colorless to Light Yellow, Clear, 50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager