

Certificate of Analysis

Date of Testing: 2022-01-24 17:05:36
Date of Next Testing: 2026-01-23 17:05:36
Product Name: **L-Cystine**
CAS Number: 56-89-3
Specifications & Purity: 99%
Lot #: A2219154
SKU #: **C108225**
Analysis: 072242
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.4-30.6 (%)	30.12 %
Purity(HPLC)	98-100 (%)	99.19200 %
Specific Rotation [a] ₂₀ /D(c=1 in 1mol/L HCl)	-230--215 (°)	-217.49 °
Nitrogen by Elemental Analysis	11.4-11.9 (%)	11.62 %
Sulfate Ash	0-0.1 (%)	0.10 %
Heavy metal (as Pb)	0-10 (ppm)	4.30 ppm
Loss on drying(105°C, 3h)	0-0.5 (%)	0.31 %
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



John Su
QA & QC Manager