

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-22 10:38:19

Date of Next Testing: 2028-09-21 10:38:19

Product Name: **L-Cystine**

CAS Number: 56-89-3

Specifications & Purity: Moligand™, ≥98%(HPLC)

Lot #: I2516337

SKU #: **L432952**

Version: **3**

Analysis #: **581505**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.4-30.6 (%)	29.45000 %
Nitrogen by Elemental Analysis	11.4-11.9 (%)	11.42000 %
Purity(HPLC area)	98-100 (%)	99.00000 %
Specific rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	-230~-215 (°)	-220.00000 °
Appearance(L432952)	White to Off-White Powder or Crystal	White to Off-White Powder or Crystals
Solubility (50 mg/mL, 1 M HCl)Clear,Colorless to Faint Yellow	pass	Pass
Infrared spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager