

Certificate of Analysis

Date of Testing: 2023-05-30 16:13:43

Date of Next Testing: 2026-05-29 16:13:43

Product Name: **L-Cystine**

CAS Number: 56-89-3

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: E23231250

SKU #: **L432952**

Analysis: **230876**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.4-30.6 (%)	29.95 %
Nitrogen by Elemental Analysis	11.4-11.9 (%)	11.69 %
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\text{M HCl})$	-215--200 (°)	-214.97 °
Purity(HPLC area)	98-100 (%)	99.73 %
Appearance(L432952)	Colorless or White Powder to Crystals	Colorless or White Powder to 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