

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-19 14:41:47

Date of Next Testing: 2029-12-18 14:41:47

Product Name: **L-Cysteine hydrochloride monohydrate**

CAS Number: 7048-04-6

Specifications & Purity: $\geq 99\%$

Lot #: L2511030

SKU #: **C110436**

Version: **2**

Analysis #: **630497**

Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 1\text{mol/L HCl})$	5-7 ($^{\circ}$)	6.23600 $^{\circ}$
Loss on drying (P2O5 , vacuum drier)	8.5-12 (%)	8.93000 %
Purity(Iodometric Titration)	98.5-101.5 (%)	100.98000 %
Appearance (C110436)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear (5% in H2O)	pass	Pass



John Su
QA & QC Manager