

Certificate of Analysis

Date of Testing: 2025-08-10 09:12:37
Date of Next Testing: 2029-08-09 09:12:37
Product Name: **L-Cysteine hydrochloride monohydrate**
CAS Number: 7048-04-6
Specifications & Purity: $\geq 99\%$
Lot #: H2506270
SKU #: **C110436**
Version: **2**
Analysis #: **555450**
Storage Temperature: Protected from light, Argon charged, Desiccated

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 1\text{mol/L HCl})$	5-7 ($^{\circ}$)	6.31 $^{\circ}$
Loss on drying (P2O5, vacuum drier)	8.5-12 (%)	8.62000 %
Purity(Iodometric Titration)	99-100 (%)	99.10 %
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