

Certificate of Analysis

Date of Testing: 2023-05-22 17:14:16

Date of Next Testing: 2027-05-21 17:14:16

Product Name: **L-Cysteine ethyl ester hydrochloride**

CAS Number: 868-59-7

Specifications & Purity: 98%

Lot #: E2319214

SKU #: **C100827**

Analysis: **041351**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] _D (c=8 in 1mol/L HCl)	-13--11 (°)	-12.74 °
Purity(Iodometric Titration)	97.5-102.5 (%)	98.50 %
Purity(HPLC)	98-100 (%)	98.02900 %
Appearance (C100827)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager