

Certificate of Analysis

Date of Testing: 2023-06-13 14:39:38
Date of Next Testing: 2027-06-12 14:39:38
Product Name: **L-Cysteine methyl ester hydrochloride**
CAS Number: 18598-63-5
Specifications & Purity: $\geq 98\%$
Lot #: F2302671
SKU #: **C105474**
Version: **0**
Analysis #: **218690**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	27.2-28.7 (%)	27.99%
Nitrogen by Elemental Analysis	7.9-8.4 (%)	8.14%
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in MeOH})$	-3.5--1.5 (°)	-2.87°
Purity(Iodometric Titration)	98-102.5 (%)	98.74%
Appearance (C105474)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O , Colorless Clear c = 50mg/ml(5%)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager