

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-19 21:47:34

Date of Next Testing: 2026-12-18 21:47:34

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

CAS Number: 18598-63-5

Specifications & Purity: $\geq 98\%$

Lot #: L22151188

SKU #: **C105474**

Version: **0**

Analysis #: **170476**

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

Parameter	Limit Values	Result
Carbon by Elemental Analysis	27.2-28.7 (%)	28.31000 %
Purity(Iodometric Titration)	98-102.5 (%)	101.26000 %
Nitrogen by Elemental Analysis	7.9-8.4 (%)	8.26000 %
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in MeOH})$	-3.5--1.5 (°)	-2.87600 °
Appearance (C105474)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless Clear c = 50mg/ml(5%)	pass	Pass



John Su
QA & QC Manager