

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-13 15:00:41

Date of Next Testing: 2027-06-12 15:00:41

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

CAS Number: 18598-63-5

Specifications & Purity: $\geq 98\%$

Lot #: F2302674

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 (%)	27.99400 %
Nitrogen by Elemental Analysis	7.9-8.4 (%)	8.14200 %
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in MeOH})$	-3.5--1.5 (°)	-2.86700 °
Purity(Iodometric Titration)	98-102.5 (%)	98.74000 %
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