

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-15 16:47:13

Date of Next Testing: 2025-11-14 16:47:13

Product Name: **D-Cysteine Methyl Ester Hydrochloride**

CAS Number: 70361-61-4

Specifications & Purity: $\geq 98\%$

Lot #: B2209254

SKU #: **S133993**

Version: **2**

Analysis #: **295788**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in MeOH})$	1.5-3.5 ($^{\circ}$)	1.50100 $^{\circ}$
Purity(Titration by Iodine)	97.5-102.5 (%)	99.07000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S133993)	White to Almost white powder to crystalline	White to Almost white powder to crystalline



John Su
QA & QC Manager