

Certificate of Analysis

Date of Testing: 2025-06-05 16:09:21

Date of Next Testing: 2027-06-05 16:09:21

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

CAS Number: 70361-61-4

Specifications & Purity: $\geq 98\%$

Lot #: E2526475

SKU #: **S133993**

Version: **2**

Analysis #: **508474**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in MeOH})$	1.5-3.5 (°)	1.51°
Purity(Titration by Iodine)	97.5-102.5 (%)	102.49 %
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
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager