

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-16 09:53:19

Date of Next Testing: 2029-04-15 09:53:19

Product Name: **L-Cystine dimethyl ester dihydrochloride**

CAS Number: 32854-09-4

Specifications & Purity: $\geq 97\%$

Lot #: D2507316

SKU #: **C117941**

Version: **0**

Analysis #: **485087**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.49300 %
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in MeOH})}$	-37--35 (°)	-35.41 °
Appearance (C117941)	white to beige powder or crystals	white to beige powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager