

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 15:02:45
 Date of Next Testing: 2025-01-10 15:02:45
 Product Name: **D-Lysine Methyl Ester Dihydrochloride**
 CAS Number: 67396-08-1
 Specifications & Purity: $\geq 98\%$
 Lot #: E1529101
 SKU #: **S134411**
 Version: **0**
 Analysis #: **177729**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	99.00000 %
Purity(HPLC)	98-100 (%)	99.21000 %
Nitrogen by Elemental Analysis	11.3-12.5 (%)	11.70000 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	-19--14 (°)	-17.90000 °
Appearance (S134411)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager