

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-14 11:48:17
 Date of Next Testing: 2026-09-13 11:48:17
 Product Name: **L-Lysine ethyl ester dihydrochloride**
 CAS Number: 3844-53-9
 Specifications & Purity: $\geq 98\%$
 Lot #: I2212019
 SKU #: **L100450**
 Version: **1**
 Analysis #: **106955**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.03600 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } H_2O)}$	9-11 (°)	10.84400 °
Assay(Titration by $AgNO_3$)	97.5-102.5 (%)	99.35000 %
Purity(HPLC)	98-100 (%)	98.01000 %
Appearance (L100450)	White Powder, Crystals or Granular Powder	White Powder, Crystals or Granular Powder
Solubility in H_2O , Clear Colorless,1g in 10ml Water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager