

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 13:05:28
 Date of Next Testing: 2027-02-28 13:05:28
 Product Name: **L-Ornithine Dihydrochloride**
 CAS Number: 6211-16-1
 Specifications & Purity: $\geq 98\%$
 Lot #: B2324556
 SKU #: **S161189**
 Version: **1**
 Analysis #: **165921**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(with Total Nitrogen)	98-102.5 (%)	99.71400 %
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in } H_2O)}$	16-19 (°)	16.24600 °
Appearance(S161189)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager