

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 10:15:17
 Date of Next Testing: 2027-04-12 10:15:17
 Product Name: **D-Ornithine monohydrochloride**
 CAS Number: 16682-12-5
 Specifications & Purity: $\geq 98\%$
 Lot #: F1924241
 SKU #: **O101048**
 Version: **0**
 Analysis #: **210281**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\text{mol/L HCl})$	-25--21 (°)	-23.59500 °
Carbon by Elemental Analysis	34.5-36.9 (%)	36.52000 %
Nitrogen by Elemental Analysis	16-17.2 (%)	17.03000 %
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.80000 %
Appearance (O101048)	White or off-white powder	White or off-white powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager