

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-16 10:26:50

Date of Next Testing: 2026-09-15 10:26:50

Product Name: **D-Ornithine monohydrochloride**

CAS Number: 16682-12-5

Specifications & Purity: $\geq 98\%$

Lot #: I2212170

SKU # **O101048**

Version **0**

Analysis #: **109854**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\text{mol/L HCl})$	-25--21 (°)	-22.47700 °
Carbon by Elemental Analysis	34.5-36.9 (%)	35.40000 %
Nitrogen by Elemental Analysis	16-17.2 (%)	16.54000 %
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.26000 %
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