

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-08 23:03:59
 Date of Next Testing: 2026-08-07 23:03:59
 Product Name: **L-Ornithine monohydrochloride**
 CAS Number: 3184-13-2
 Specifications & Purity: $\geq 98\%$
 Lot #: H2205440
 SKU #: **O108803**
 Version: **1**
 Analysis #: **102377**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in } 6\text{mol/L HCl})$	22-25 (°)	22.49800°
Purity(HPLC)	98-100 (%)	99.09100 %
Carbon by Elemental Analysis	34.17-37.02 (%)	35.30000 %
Nitrogen by Elemental Analysis	15.95-17.28 (%)	16.49000 %
Appearance (O108803)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager