

Certificate of Analysis

Date of Testing: 2025-03-03 16:45:41

Date of Next Testing: 2029-03-02 16:45:41

Product Name: **L-Arginine**

CAS Number: 74-79-3

Specifications & Purity: Moligand™, ≥98%

Lot #: B2527272

SKU #: **A108220**

Version: **0**

Analysis #: **482147**

Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	40.5-42.1 (%)	40.70%
Nitrogen by Elemental Analysis	31.5-33 (%)	31.60%
Specific Rotation [α] ₂₀ /D(c=8 in 6M HCl)	24-28 (°)	27.00°
Purity(Titration by HClO ₄)	98-102 (%)	99.40%
Appearance (A108220)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless and clear, 50 mg/mL	pass	Pass



John Su
QA & QC Manager