

## Certificate of Analysis

Date of Testing: 2023-05-24 17:34:23  
Date of Next Testing: 2027-05-23 17:34:23  
Product Name: **L-Arginine**  
CAS Number: 74-79-3  
Specifications & Purity: >99.0%(HPLC)  
Lot #: E2322575  
SKU #: **A137768**  
Analysis: **227529**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.10000 %
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	99.03 %
Specific Rotation [α] <sub>20</sub> /D(c=8 in 6M HCl)	24-28 (°)	26.70°
Appearance (A137768)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless and clear,50 mg/mL	pass	Pass



John Su  
QA & QC Manager