

Certificate of Analysis

Date of Testing: 2022-11-22 17:31:43
Date of Next Testing: 2026-11-21 17:31:43
Product Name: **L-Arginine**
CAS Number: 74-79-3
Specifications & Purity: >99.0%(HPLC)
Lot #: K2218040
SKU #: **A137768**
Analysis: **158531**

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Purity(HPLC) | 99-100 (%) | 99.46700% |
| Purity(Titration by HClO ₄) | 98.5-101.5 (%) | 99.41% |
| Specific Rotation [α] ₂₀ /D(c=8 in 6M HCl) | 24-28 (°) | 26.35° |
| Appearance (A137768) | 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