

Certificate of Analysis

Date of Testing: 2024-01-05 10:47:06
Date of Next Testing: 2028-01-04 10:47:06
Product Name: **L-Arginine**
CAS Number: 74-79-3
Specifications & Purity: >99.0%(HPLC)
Lot #: L2325134
SKU #: **A137768**
Analysis: **311387**

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Purity(HPLC) | 99-100 (%) | 99.60000 % |
| Purity(Titration by HClO ₄) | 98.5-101.5 (%) | 99.99 % |
| Specific Rotation [α] ₂₀ /D(c=8 in 6M HCl) | 24-28 (°) | 27.10° |
| 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