

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-12 14:03:49

Date of Next Testing: 2030-03-11 14:03:49

Product Name: **L-Arginine ethyl ester dihydrochloride**

CAS Number: 36589-29-4

Specifications & Purity:  $\geq 98\%$

Lot #: E2225191

SKU #: **A109012**

Version: **3**

Analysis #: **668072**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                           | 0-0.5 (%)             | 0.46600 %             |
| Specific Rotation $[\alpha]_{25/D}(c=2 \text{ in H}_2\text{O})$ | 9-15 (°)              | 11.23000 °            |
| Purity                                                          | 98-102.5 (%)          | 100.00000 %           |
| Purity(HPLC)                                                    | 98-100 (%)            | 99.93000 %            |
| Appearance (A109012)                                            | white powder or solid | white powder or solid |
| Proton NMR spectrum                                             | Conforms to structure | Conforms to Structure |



John Su  
QA & QC Manager