

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-19 15:25:43

Date of Next Testing: 2027-05-18 15:25:43

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

CAS Number: 36589-29-4

Specifications & Purity: $\geq 98\%$

Lot #: E2316120

SKU #: **A109012**

Version: **3**

Analysis #: **205150**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.12910 %
Specific Rotation $[\alpha]_{25/D}(c=2 \text{ in H}_2\text{O})$	9-15 (°)	11.97600 °
Purity	98-102.5 (%)	101.95000 %
Purity(HPLC)	98-100 (%)	99.59800 %
Appearance (A109012)	white powder or solid	white powder or solid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager