

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-18 17:00:15
 Date of Next Testing: 2026-10-18 17:00:15
 Product Name: **D-Arginine Methyl Ester Dihydrochloride**
 CAS Number: 78851-84-0
 Specifications & Purity: $\geq 98\%$
 Lot #: E1528155
 SKU #: **S135688**
 Version: **0**
 Analysis #: **423192**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.10000 %
Nitrogen by Elemental Analysis	20.5-21.9 (%)	21.40000 %
Purity (Argentmetric Titration)	97.5-102.5 (%)	98.40000 %
Specific Rotation $[\alpha]_{20/D}(c=2.5 \text{ in MeOH})$	-22--18 (°)	-21.01000 °
Appearance (S135688)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager