

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-26 13:28:43
 Date of Next Testing: 2029-06-25 13:28:43
 Product Name: **N α -p-Tosyl-L-arginine methyl ester hydrochloride**
 CAS Number: 1784-03-8
 Specifications & Purity: $\geq 98\%$
 Lot #: F2523045
 SKU #: **T105948**
 Version: **1**
 Analysis #: **148130**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.58200 %
Specific Rotation [a] ₂₀ /D(c=4 in H ₂ O)	-15--13 (°)	-13.23100 °
Carbon by Elemental Analysis	43.3-45.5 (%)	44.51400 %
Nitrogen by Elemental Analysis	14.4-15.3 (%)	14.93800 %
Melting point	146-150 (°C)	149.86000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T105948)	white powder or crystals	White Powder or Crystals



John Su
QA & QC Manager