

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-14 18:32:31
Date of Next Testing: 2026-10-13 18:32:31
Product Name: **N α -p-Tosyl-L-arginine methyl ester hydrochloride**
CAS Number: 1784-03-8
Specifications & Purity: 98%
Lot #: J2213139
SKU #: **T105948**
Analysis: 044909
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	146-150 (°C)	147.93000 °C
Purity(HPLC)	98-100 (%)	99.58600%
Specific Rotation [a] _D ²⁰ (c=4 in H ₂ O)	-15--13 (°)	-14.19°
Carbon by Elemental Analysis	43.3-45.5 (%)	44.26%
Nitrogen by Elemental Analysis	14.4-15.3 (%)	15.12%
Appearance (T105948)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager