

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-13 16:03:25
 Date of Next Testing: 2027-09-12 16:03:25
 Product Name: **Fmoc-Arg(Pbf)-OH**
 CAS Number: 154445-77-9
 Specifications & Purity: $\geq 98\%$
 Lot #: I2311132
 SKU # **F110975**
 Version **0**
 Analysis #: **266265**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.38600 %
Purity(Nonaqueous Titration)	98-100 (%)	99.56000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	$-6.5--4.5 (^{\circ})$	-4.61000°
Appearance (F110975)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager