

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-13 14:51:34
 Date of Next Testing: 2028-08-12 14:51:34
 Product Name: **N α -Boc-N δ ,N ω -di-Z-L-arginine**
 CAS Number: 51219-19-3
 Specifications & Purity: $\geq 98\%$
 Lot #: J2423083
 SKU #: **N135846**
 Version: **1**
 Analysis #: **751803**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.66000 %
specific rotation $[\alpha]_{20/D}(C=1, \text{MeOH})$	2-3 ($^{\circ}$)	2.00000 $^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager