

Certificate of Analysis

Date of Testing: 2024-12-09 14:39:12
 Date of Next Testing: 2026-12-09 14:39:12
 Product Name: **N α -Boc-N δ ,N ω -di-Z-L-arginine**
 CAS Number: 51219-19-3
 Specifications & Purity: $\geq 98\%$
 Lot #: C23111187
 SKU #: **N135846**
 Version: **1**
 Analysis #: **445532**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.60000 %
specific rotation $[\alpha]_{20/D(C=1, MeOH)}$	2-3 ($^{\circ}$)	2.00100 $^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager