

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-15 11:50:53

Date of Next Testing: 2024-11-14 11:50:53

Product Name: **N-Boc-1-Boc-L-tryptophan**

CAS Number: 144599-95-1

Specifications & Purity: $\geq 95\%$

Lot #: K2211687

SKU #: **N132638**

Version: **0**

Analysis #: **108898**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.88800 %
Specific Rotation $[\alpha]_{20/D(c=3 \text{ in DMF})}$	-12.5~-8.5 ($^{\circ}$)	-9.22900 $^{\circ}$
Mass spectrum	Conforms to standard	Conforms to standard
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager