

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-08 10:37:43

Date of Next Testing: 2026-08-07 10:37:43

Product Name: **N-Boc-L-aspartic acid 4-tert-butyl ester dicyclohexylammonium salt**

CAS Number: 1913-12-8

Specifications & Purity: $\geq 98\%$

Lot #: 11418153

SKU #: **B116682**

Version: **0**

Analysis #: **122070**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Oxygen by Elemental Analysis	19.8-20.6 (%)	20.30000 %
Carbon by Elemental Analysis	62.3-64 (%)	63.40000 %
Purity(HPLC)	98-100 (%)	98.30000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	17-21 (°)	19.22000 °
Appearance (B116682)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
TLC Analysis	One spot	One spot



John Su
QA & QC Manager