

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-03 11:24:38

Date of Next Testing: 2027-02-02 11:24:38

Product Name: **(S)-1-Boc-piperidine-3-carboxylic acid**

CAS Number: 88495-54-9

Specifications & Purity: $\geq 97\%$

Lot #: B2322371

SKU #: **B121551**

Version: **0**

Analysis #: **180650**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	96.5-103.5 (%)	99.69000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	53-57 ($^{\circ}$)	56.98000 $^{\circ}$
Appearance (B121551)	White to Tan Solid	White to Tan Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager