

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 15:27:29

Date of Next Testing: 2028-12-09 15:27:29

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

CAS Number: 88495-54-9

Specifications & Purity: $\geq 97\%$

Lot #: D1309183

SKU #: B121551

Version: 0

Analysis #: 432141

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	96.5-103.5 (%)	99.81000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	53-57 (°)	56.95500°
Appearance (B121551)	White to Tan Solid	White to Tan Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager