

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-15 10:40:06

Date of Next Testing: 2026-12-14 10:40:06

Product Name: **(R)-1-N-Boc-2-methylpiperazine**

CAS Number: 170033-47-3

Specifications & Purity: $\geq 97\%$

Lot #: L2207272

SKU #: **T174926**

Version: **0**

Analysis #: **168985**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	98.01000 %
Purity(GC)	97-100 (%)	97.03400 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager