

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-12 16:53:13

Date of Next Testing: 2028-02-12 16:53:13

Product Name: **(R)-1-Boc-Piperazine-2-carboxylic acid**

CAS Number: 278788-60-6

Specifications & Purity: $\geq 97\%$

Lot #: B2507352

SKU #: **R192497**

Version: **1**

Analysis #: **402283**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	100.00000 %
Enantiomeric Excess	98-100 (%)	99.43000 %
LC-MS for identification	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager