

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-21 11:40:38

Date of Next Testing: 2026-09-20 11:40:38

Product Name: **(R)-1-Boc-2-Hydroxymethyl-piperazine**

CAS Number: 169448-87-7

Specifications & Purity: 97%

Lot #: I2319481

SKU #: **T174911**

Analysis: **272263**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.30 %
Enantiomeric Excess	97-100 (%)	99.90000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager