

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-16 16:33:59

Date of Next Testing: 2026-10-15 16:33:59

Product Name: **(R)-1-N-Boc-piperazine-2-carboxylic acid methyl ester**

CAS Number: 252990-05-9

Specifications & Purity: 97%

Lot #: J2312331

SKU #: **T588423**

Analysis: **269606**

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

Parameter	Limit Values	Result
Enantiomeric Excess	99-100 (%)	99.11000 %
Purity(GC)	97-100 (%)	97.01 %
Appearance(T588423)	Colorless to light yellow liquid	Colorless to light yellow liquid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure

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

John Su
QA & QC Manager