

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-20 13:47:32

Date of Next Testing: 2029-07-19 13:47:32

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

CAS Number: 252990-05-9

Specifications & Purity: $\geq 97\%$

Lot #: J2312335

SKU #: T588423

Version: 1

Analysis #: 737450

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

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.01000 %
Enantiomeric Excess	99-100 (%)	99.10000 %
Appearance(T588423)	Colorless to light yellow liquid	Colorless to light yellow liquid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager