

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-13 09:49:45

Date of Next Testing: 2029-01-12 09:49:45

Product Name: (R)-1-BOC-3-(Hydroxymethyl)piperazine

CAS Number: 278788-66-2

Specifications & Purity: ≥98%

Lot #: D2102104

SKU #: I169227

Version: 0

Analysis #: 461304

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.12300 %
Enantiometric Excess	98-100 (%)	98.81800 %
Appearance (I169227)	White to light yellow powder,crystals or solid	White to light yellow powder,crystals or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager