

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-20 14:15:05

Date of Next Testing: 2029-05-19 14:15:05

Product Name: **(R)-1-Boc-3-methylpiperazine**

CAS Number: 163765-44-4

Specifications & Purity: $\geq 98\%$

Lot #: J1711057

SKU #: **B123470**

Version: **1**

Analysis #: **512177**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.25000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	14-18 (°)	15.22000 °
Melting point	40-47 (°C)	45.63000 °C
Appearance (B123470)	White to pale cream crystals or powder	White to pale cream crystals or powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager