

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-09 16:06:46

Date of Next Testing: 2025-09-08 16:06:46

Product Name: **(S)-1-Boc-3-hydroxymethylpiperazine**

CAS Number: 314741-40-7

Specifications & Purity: $\geq 97\%$

Lot #: J1928182

SKU #: **T176099**

Version: **0**

Analysis #: **133051**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.25600 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in EtOH})}$	17-20 (°)	18.30000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager