

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-02 09:11:54  
Date of Next Testing: 2027-11-01 09:11:54  
Product Name: **(R)-(-)-3-Amino-1-Boc-piperidine**  
CAS Number: 188111-79-7  
Specifications & Purity: 98%  
Lot #: C1609206  
SKU #: **R115467**  
Analysis: **291186**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.06 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in DMF)	-30.5--26.5 (°)	-28.35 °
Appearance (R115467)	colorless to pale yellow liquid	colorless to pale yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager