

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-09 14:16:25  
Date of Next Testing: 2030-04-08 14:16:25  
Product Name: **(R)-(-)-3-Amino-1-Boc-piperidine**  
CAS Number: 188111-79-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2201475  
SKU #: **R115467**  
Version: **0**  
Analysis #: **686433**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.43000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	-30.5--26.5 ( $^{\circ}$ )	-30.42000 $^{\circ}$
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