

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-11 11:34:12  
Date of Next Testing: 2026-01-10 11:34:12  
Product Name: **N-Boc-4-oxo-L-proline tert-butyl ester**  
CAS Number: 166410-05-5  
Specifications & Purity:  $\geq 97\%$   
Lot #: C2019161  
SKU #: **N138347**  
Analysis: **177494**

Parameter	Limit Values	Result
Melting point	64-67 (°C)	66.70000 °C
Optical purity(ee)	99-100 (%)	99.50 %
Purity(HPLC)	97-100 (%)	98.00000 %
Appearance (N138347)	Yellow to Off-White Powder	Yellow to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager