

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-30 19:21:53
Date of Next Testing: 2026-03-29 19:21:53
Product Name: **Ethyl (S)-1-Boc-4-oxopiperidine-2-carboxylate**
CAS Number: 180854-44-8
Specifications & Purity: 95%
Lot #: C23231194
SKU #: **E168045**
Analysis: **173126**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NMR)	95-100 (%)	96.15 %
Specific Rotation [α] ₂₀ /D(c=0.5 in CHCL ₃)	-15--9 (°)	-9.21 °
Appearance (E168045)	Colorless to Yellow to Tan Viscous Liquid	Colorless to Yellow to Tan Viscous Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager