

Certificate of Analysis

Date of Testing: 2025-06-27 11:18:29
 Date of Next Testing: 2028-06-26 11:18:29
 Product Name: **Ethyl (S)-1-Boc-4-oxopiperidine-2-carboxylate**
 CAS Number: 180854-44-8
 Specifications & Purity: $\geq 95\%$
 Lot #: F2524225
 SKU #: **E168045**
 Version: **1**
 Analysis #: **173126**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NMR)	95-100 (%)	96.15 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in CHCL}_3)$	-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