

## Certificate of Analysis

Date of Testing: 2022-01-24 14:40:22  
Date of Next Testing: 2026-01-23 14:40:22  
Product Name: **(S)-(+)-1-Chloro-2-methylbutane**  
CAS Number: 40560-29-0  
Specifications & Purity: >98.0%(GC)  
Lot #: A2220369  
SKU #: **S160982**  
**Analysis: 064408**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100(%)	98.00 %
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	1.3-2.3(°)	1.50°
Appearance(S160982Color)	Colorless to Almost colorless clear	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (S160982Form)	Liquid	Colorless to Pale Yellow



John Su  
QA & QC Manager