

Certificate of Analysis

Date of Testing: 2023-06-26 11:50:33
Date of Next Testing: 2027-06-25 11:50:33
Product Name: **(S)-2-Chlorobutyric Acid**
CAS Number: 32653-32-0
Specifications & Purity: 95%
Lot #: F23061776
SKU #: **S161173**
Analysis: **214035**

Parameter	Limit Values	Result
Optical purity(GC)	90-100 (%)	95.20%
Refractive index n ₂₀ /D	1.436-1.443	1.44
Purity(GC)	95-100 (%)	96.60%
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(S161173)	Colorless to Almost colorless clear liquid	Colorless to almost colorless clear liquid



John Su
QA & QC Manager