

## Certificate of Analysis

Date of Testing: 2023-04-19 09:16:05  
Date of Next Testing: 2027-04-18 09:16:05  
Product Name: **2-Chlorobutyric Acid**  
CAS Number: 4170-24-5  
Specifications & Purity: >90.0%(GC)  
Lot #: D2314580  
SKU #: **C153465**  
Analysis: **196652**

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	95.00%
Refractive index n <sub>20</sub> /D	1.437-1.44	1.44
Appearance (C153465)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager