

Certificate of Analysis

Date of Testing: 2023-09-20 09:22:02
Date of Next Testing: 2025-09-19 09:22:02
Product Name: **4-Chlorobutyric Acid**
CAS Number: 627-00-9
Specifications & Purity: 95%
Lot #: 12311361
SKU #: **C134513**
Analysis: **270254**

| Parameter | Limit Values | Result |
|-------------------------------------|---------------------------|---------------------------|
| Purity(Neutralization titration) | 95-100 (%) | 98.54% |
| Density (20°C) | 1.22-1.227 | 1.22 |
| Purity(GC) | 95-100 (%) | 96.21% |
| Refractive index n ₂₀ /D | 1.449-1.452 | 1.45 |
| Appearance (C134513) | colorless to brown liquid | colorless to brown liquid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager