

Certificate of Analysis

Date of Testing: 2024-07-16 10:08:54
Date of Next Testing: 2026-07-16 10:08:54
Product Name: **Ethyl 4-Chlorobutyrate**
CAS Number: 3153-36-4
Specifications & Purity: $\geq 98.0\%$ (GC)
Lot #: J22111026
SKU #: **E135072**
Version: **1**
Analysis #: **388324**

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.43-1.432	1.43
Density (20°C)	1.076-1.08	1.08
Purity(GC)	98-100 (%)	98.02 %
Appearance (E135072)	colorless to yellow to brown liquid	colorless to yellow to brown liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager