

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-15 14:09:52
Date of Next Testing: 2025-08-14 14:09:52
Product Name: **Ethyl 4-Chlorobutyrate**
CAS Number: 3153-36-4
Specifications & Purity: $\geq 98.0\%$ (GC)
Lot #: K2109722
SKU #: **E135072**
Analysis: **264203**

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 (%)	98.00 %
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