

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-03 14:48:20
 Date of Next Testing: 2030-04-02 14:48:20
 Product Name: **3-Chloro-1-butene**
 CAS Number: 563-52-0
 Specifications & Purity: $\geq 98\%$, stabilized with 3% sodium/potassium carbonate
 Lot #: F2223153
 SKU #: **C163038**
 Version: **1**
 Analysis #: **684996**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.47200 %
Density (20°C)	0.9-0.903	0.90180
Refractive index n _{20/D}	1.415-1.417	1.41550
Appearance (C163038)	Colorless to light yellow liquid	Colorless to light yellow liquid
Stabilizer ($\leq 3\%$ sodium/potassium carbonate)	Conforms	Conforms
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager