

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-07 15:35:27  
Date of Next Testing: 2025-08-06 15:35:27  
Product Name: **1-Chlorobutane**  
CAS Number: 109-69-3  
Specifications & Purity: standard for GC,  $\geq 99.8\%$ (GC)  
Lot #: A2002112  
SKU #: **C118434**  
**Analysis:** **261108**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.85 %
Refractive index n <sub>20</sub> /D	1.401-1.403	1.40
Appearance (C118434)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager