

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-24 14:49:36

Date of Next Testing: 2029-09-23 14:49:36

Product Name: **1-Chlorobutane**

CAS Number: 109-69-3

Specifications & Purity: $\geq 99.8\%$

Lot #: B1808030

SKU #: **C103255**

Version: **0**

Analysis #: **577171**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.89000 %
Refractive index n ₂₀ /D	1.401-1.403	1.40220
Density (20°C)	0.887-0.889	0.88850
Appearance (C103255)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager