

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-05 10:53:46

Date of Next Testing: 2029-03-04 10:53:46

Product Name: **1-Chlorobutane**

CAS Number: 109-69-3

Specifications & Purity: $\geq 98\%$

Lot #: C2503073

SKU #: **C103253**

Version: **0**

Analysis #: **482209**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.401-1.403	1.40150
Density (20°C)	0.887-0.889	0.88800
Purity(GC)	98-100 (%)	99.80000 %
Appearance (C103253)	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