

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-10 09:36:37

Date of Next Testing: 2026-05-09 09:36:37

Product Name: **2-Chlorobutane**

CAS Number: 78-86-4

Specifications & Purity: $\geq 99\%$

Lot #: C23211005

SKU #: **C109267**

Version: **0**

Analysis #: **081631**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Density (20°C)	0.871-0.875	0.87300
Refractive index n _{20/D}	1.395-1.398	1.39680
Purity(GC)	99-100 (%)	99.67900 %
Appearance (C109267)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager