

Certificate of Analysis

Date of Testing: 2023-05-08 10:45:52

Date of Next Testing: 2027-05-07 10:45:52

Product Name: **1,4-Dichlorobutane**

CAS Number: 110-56-5

Specifications & Purity: 98%

Lot #: G1917019

SKU #: **D103409**

Analysis: **218920**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Density (20°C)	1.137-1.145	1.14
Purity(GC)	98-100 (%)	98.65 %
Refractive index n ₂₀ /D	1.452-1.456	1.45
Appearance (D103409)	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