

Certificate of Analysis

Date of Testing: 2022-09-24 15:30:55

Date of Next Testing: 2024-09-13 15:30:55

Product Name: **1,4-Dibromo butane**

CAS Number: 110-52-1

Specifications & Purity: 98%

Lot #: I2220288

SKU #: **D105749**

Analysis: **115821**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.81 %
Refractive index n ₂₀ /D	1.517-1.521	1.52
Density (20°C)	1.822-1.833	1.83
Appearance (D105749)	Colorless to Yellow Liquid	Colorless to 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