

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-14 10:21:04

Date of Next Testing: 2026-12-04 10:21:04

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

CAS Number: 110-52-1

Specifications & Purity: $\geq 98\%$

Lot #: L2410443

SKU #: **D105749**

Version: **0**

Analysis #: **441447**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.80 %
Density (20°C)	1.822-1.833	1.83
Refractive index n _{20/D}	1.517-1.521	1.52
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