

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-18 17:26:43  
Date of Next Testing: 2027-11-08 17:26:43  
Product Name: **1,4-Dibromo butane**  
CAS Number: 110-52-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2513264  
SKU #: **D105749**  
Version: **0**  
Analysis #: **546971**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.21%
Density (20°C)	1.822-1.833	1.82
Refractive index n <sub>20</sub> /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



John Su  
QA & QC Manager