

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-13 14:45:26

Date of Next Testing: 2028-01-03 14:45:26

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

CAS Number: 110-52-1

Specifications & Purity:  $\geq 98\%$

Lot #: A2605375

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/D</sub> | 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