

## Certificate of Analysis

Date of Testing: 2024-06-14 10:01:17

Date of Next Testing: 2026-06-04 10:01:17

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

CAS Number: 110-52-1

Specifications & Purity: 98%

Lot #: I2220289

SKU #: **D105749**

Version: **0**

Analysis #: **368192**

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 <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      |



John Su  
QA & QC Manager