

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-15 10:47:59  
 Date of Next Testing: 2026-07-15 10:47:59  
 Product Name: **1,4-Dibromo-2,3-butanedione**  
 CAS Number: 6305-43-7  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: G2412261  
 SKU #: **D171251**  
 Version: **0**  
 Analysis #: **376395**  
 Storage Temperature: Room temperature

| Parameter            | Limit Values          | Result                |
|----------------------|-----------------------|-----------------------|
| Purity(GC)           | 98-100 (%)            | 98.04600 %            |
| Melting point        | 116-119 (°C)          | 118.97000 °C          |
| Appearance (D171251) | yellow to brown solid | yellow to brown solid |
| Proton NMR spectrum  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager