

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-29 14:42:15  
Date of Next Testing: 2027-12-29 14:42:15  
Product Name: **2,3-Butanedione**  
CAS Number: 431-03-8  
Specifications & Purity: Standard for GC,  $\geq 99\%$ (GC)  
Lot #: L2522044  
SKU #: **B104602**  
Version: **0**  
Analysis #: **632469**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.02300 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager