

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-15 18:49:53  
Date of Next Testing: 2028-04-14 18:49:53  
Product Name: **2,3-Butanedione**  
CAS Number: 431-03-8  
Specifications & Purity: Standard for GC, ≥99%(GC)  
Lot #: D2607096  
SKU #: **B104602**  
Version: **0**  
Analysis #: **694974**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.76200 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager