

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-11 18:19:24

Date of Next Testing: 2028-03-10 18:19:24

Product Name: **2,3-Butanedione**

CAS Number: 431-03-8

Specifications & Purity: Standard for GC, $\geq 99\%$ (GC)

Lot #: C2606067

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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager