

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-06 14:54:56
Date of Next Testing: 2025-06-05 14:54:56
Product Name: **2,3-Butanedione**
CAS Number: 431-03-8
Specifications & Purity: standard for GC, $\geq 99.0\%$ (GC)
Lot #: E2326287
SKU #: **B104602**
Analysis: **056618**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.93 %
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