

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-25 09:48:07

Date of Next Testing: 2029-06-24 09:48:07

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

CAS Number: 431-03-8

Specifications & Purity:  $\geq 97\%$ 

Lot #: F2612366

SKU #: **B432715**Version: **3**Analysis #: **731187**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.87500%
Refractive index n <sub>20</sub> /D	1.393-1.397	1.39420
Appearance(B432715)	Colorless to Yellow-Green to Yellow Liquid	Colorless to Yellow-Green to Yellow Liquid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager