

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-31 11:04:22

Date of Next Testing: 2029-07-30 11:04:22

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

CAS Number: 431-03-8

Specifications & Purity: $\geq 98\%$

Lot #: G2521049

SKU #: **B104601**

Version: **1**

Analysis #: **336238**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	0.984-0.988	0.98690
Refractive index n _{20/D}	1.393-1.397	1.39540
Purity(GC)	98-100 (%)	98.46000 %
Appearance (B104601)	Yellow to Yellow-Green Liquid	Yellow to Yellow-Green Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager