

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-01 13:56:10
Date of Next Testing: 2027-06-30 13:56:10
Product Name: **2,3-Butanedione**
CAS Number: 431-03-8
Specifications & Purity: 98%
Lot #: F23161028
SKU #: **B104601**
Analysis: **239357**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	0.984-0.988	0.99
Refractive index n ₂₀ /D	1.393-1.397	1.39
Purity(GC)	98-100 (%)	99.58 %
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