

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-05 14:13:22

Date of Next Testing: 2028-12-04 14:13:22

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

CAS Number: 431-03-8

Specifications & Purity: $\geq 97\%$

Lot #: L2505084

SKU #: **B432715**Version: **3**Analysis #: **615931**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.77100 %
Refractive index n _{20/D}	1.393-1.397	1.39430
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