QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-06-06 15:16:16
Date of Next Testing:	2028-05-26 15:16:16
Product Name:	**2,3-Butanedione**
CAS Number:	431-03-8
Specifications & Purity:	analytical standard, ≥99%(GC)
Lot #:	F2603160
SKU #	**B104603**
Version	**0**
Analysis #:	**718486**
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	**Limit Values**	**Result**
Purity(GC)	99-100（%）	99.76200 %
Appearance（B104603)	Faint Yellow to Very Dark Yellow Liquid	Faint Yellow to Very Dark Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager