

Certificate of Analysis

Date of Testing: 2023-03-13 15:41:21
Date of Next Testing: 2025-03-12 15:41:21
Product Name: **2,3-Butanedione**
CAS Number: 431-03-8
Specifications & Purity: standard for GC, $\geq 99.0\%$ (GC)
Lot #: F2103414
SKU #: **B104602**
Analysis: **198208**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.93 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager