

Certificate of Analysis

Date of Testing: 2022-11-01 18:26:20

Date of Next Testing: 2024-10-21 18:26:20

Product Name: **1,4-Butanediol**

CAS Number: 110-63-4

Specifications & Purity: standard for GC, $\geq 99.5\%$ (GC)

Lot #: J2228286

SKU #: **B110395**

Analysis: **144298**

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.57 %
Appearance (B110395)	colorless viscous liquid	colorless viscous liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager