

## Certificate of Analysis

Date of Testing: 2024-08-12 13:55:38  
Date of Next Testing: 2028-08-11 13:55:38  
Product Name: **1,2-Butanediol**  
CAS Number: 584-03-2  
Specifications & Purity: >98.0%(GC)  
Lot #: G2431135  
SKU #: **B153217**  
Version: **0**  
Analysis #: **384537**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.04 %
Refractive index n <sub>20</sub> /D	1.437-1.44	1.44
Appearance (B153217)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager