

## Certificate of Analysis

Date of Testing: 2023-02-21 12:52:59  
Date of Next Testing: 2027-02-20 12:52:59  
Product Name: **alpha-Acetyl-gamma-butyrolactone**  
CAS Number: 517-23-7  
Specifications & Purity: 98%  
Lot #: B2315575  
SKU #: **A108065**  
Analysis: **191395**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.458-1.462	1.46
Density (20°C)	1.19-1.193	1.19
Purity(GC)	98-100 (%)	99.50 %
Appearance (A108065)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager