

## Certificate of Analysis

Date of Testing: 2023-02-07 13:12:45  
Date of Next Testing: 2027-02-06 13:12:45  
Product Name:  **$\alpha$ -Methyl- $\gamma$ -butyrolactone**  
CAS Number: 1679-47-6  
Specifications & Purity: >98.0%(GC)  
Lot #: B2302553  
SKU #: **A151225**  
**Analysis:** **172875**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Density (20°C)	1.058-1.062	1.06
Refractive index n <sub>20</sub> /D	1.431-1.435	1.43
Purity(GC)	98-100 (%)	98.10%
Appearance (A151225)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager