

Certificate of Analysis

Date of Testing: 2023-06-21 10:49:10

Date of Next Testing: 2027-06-20 10:49:10

Product Name: **α -Hydroxy- γ -butyrolactone**

CAS Number: 19444-84-9

Specifications & Purity: 99%

Lot #: F23131058

SKU #: H113417

Version: 0

Analysis #: 228126

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.313-1.331	1.32
Refractive index n ₂₀ /D	1.466-1.47	1.47
Purity(GC)	99-100 (%)	99.67 %
Appearance (H113417)	Colorless to Yellow Viscous Liquid	Colorless to Yellow Viscous Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager