

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-16 10:19:36

Date of Next Testing: 2027-06-15 10:19:36

Product Name: **(R)-(+)- α -Hydroxy- γ -butyrolactone**

CAS Number: 56881-90-4

Specifications & Purity: $\geq 96\%$

Lot #: F2309405

SKU #: **R591020**

Version: **1**

Analysis #: **242019**

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

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	96.51500 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	67-76 (°)	72.45100°
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager