

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-07 14:34:55

Date of Next Testing: 2027-02-06 14:34:55

Product Name: (S)-(-)- α -Hydroxy- γ -butyrolactone

CAS Number: 52079-23-9

Specifications & Purity: $\geq 95\%$

Lot #: B23011006

SKU #: S161076

Version: 1

Analysis #: 172373

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	96.08600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-74~-62 (°)	-73.98000 °
Appearance(S161076)	Colorless to Very Dark Yellow Liquid	Colorless to Very Dark Yellow Liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager