

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-17 14:17:07

Date of Next Testing: 2026-04-16 14:17:07

Product Name: **GRL 0617**

CAS Number: 1093070-16-6

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: D23061606

SKU #: **G286912****Analysis: 186219**Storage Temperature: Store at  $-20^{\circ}\text{C}$ 

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.93%
Specific rotation $[\alpha]_D(c = 0.5 \text{ in chloroform-d})$	$-82 \sim -72$ ( $^{\circ}$ )	$-81.94600^{\circ}$
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(G286912)	white to beige powder	white to beige powder

John Su  
QA & QC Manager