

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-09 15:35:54  
 Date of Next Testing: 2026-10-08 15:35:54  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number:  
 Specifications & Purity: lactide:glycolide 50:50, acid and hydroxy terminated,  $M_n$  25000  
 Lot #: J2307111  
 SKU #: **P476119**  
 Version: **1**  
 Analysis #: **277693**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
lactide LA	45-55 (%)	53.00000 %
Glycolide GA	45-55 (%)	47.00000 %
intrinsic viscosity	0.35-0.45 (DL/G)	0.42000 DL/G
Water by Karl Fischer	0-0.5 (%)	0.30 %
Heavy metals	0-10 ( $\mu\text{g/g}$ )	0.00 $\mu\text{g/g}$
Molecular Number by GPC	18000-32000	28000.00
Acid Value	$\geq 6$ (mgKOH/g)	31.00 mgKOH/g
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(P476119)	White to off-white to pale yellow to Beige to Light Brown solid	White to off-white to pale yellow to Beige to Light Brown solid



John Su  
QA & QC Manager