

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-07-11 10:37:14
Date of Next Testing:	2026-07-11 10:37:14
Product Name:	<b>Poly(D,L-lactide-co-glycolide)</b>
CAS Number:	26780-50-7
Specifications & Purity:	ester terminated, Mw 54000-69000
Lot #:	J2209264
SKU #	<b>P136521</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>385239</b>
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.61-0.74 (DL/G)	0.71 DL/G
Water by Karl Fischer	0-0.5 (%)	0.32 %
Tin(Sn)	0-100 (ppm)	37.00 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	50.96 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.03 wt%
Total Residual Solvents	0-0.1 (%)	0.01 %
Heavy metals	0-10 (ppm)	8.00 ppm
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	68.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.10 wt%
Sulfate Ash	0-0.1 (%)	0.06 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.01 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Appearance (P136521)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager