

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-11 10:38:07

Date of Next Testing: 2028-03-10 10:38:07

Product Name: **Poly(D,L-lactide-co-glycolide) (PLGA)**

CAS Number: 26780-50-7

Specifications & Purity: lactide:glycolide 50:50,ester terminated,Mw 38000-54000

Lot #: C2610682

SKU #: **P134564**

Version: **0**

Analysis #: **660442**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.26000 %
Acid Value	0-1 (mgKOH/g)	0.02300 mgKOH/g
Glycolide(Quantitative NMR)	45-55 (Mole%)	49.00000 Mole%
Total Residual Solvents	0-0.1 (%)	0.01000 %
Sulfate Ash	0-0.5 (%)	0.10000 %
D,L-Lactide(Quantitative NMR)	45-55 (Mole%)	51.00000 Mole%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00000 %
D,L-Lactide(GC)	0-1.5 (wt%)	0.02350 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	45.00000 ppm
Glycolide(GC)	0-0.5 (wt%)	0.00200 wt%
Tin(Sn)	0-150 (ppm)	38.00000 ppm
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.45-0.6 (DL/G)	0.56000 DL/G
Average Molecular Weight	38000-54000	50400.00000
Heavy metals	0-10 (ppm)	8.00000 ppm
Appearance (P134564)	White to Off White Solid	White to Off White Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager