

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-17 17:26:00

Date of Next Testing: 2027-04-17 17:26:00

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

CAS Number: 26780-50-7

Specifications & Purity: ester terminated,lactide:glycolide 75:25,Mw 76000-115000

Lot #: D2507521

SKU #: **P134386**

Version: **0**

Analysis #: **473072**

Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	76.00000 Mole%
Tin(Sn)	0-100 (ppm)	23.00000 ppm
Water by Karl Fischer	0-0.5 (%)	0.49000 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.04000 wt%
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.7-1 (DL/G)	0.87000 DL/G
Glycolide(GC)	0-0.5 (wt%)	0.10200 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	42.00000 ppm
Sulfate Ash	0-0.1 (%)	0.00000 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00000 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	24.00000 Mole%
Total Residual Solvents	0-0.1 (%)	0.01000 %
Heavy metals	0-10 (ppm)	8.00000 ppm
Appearance (P134386)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager