

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-04-16 11:10:48
Date of Next Testing:	2029-04-15 11:10:48
Product Name:	Poly(D,L-lactide-co-glycolide)
CAS Number:	26780-50-7
Specifications & Purity:	acid terminated,lactide:glycolide 75:25,Mw 4000-15000
Lot #:	F2118421
SKU #	P133294
Version	1
Analysis #:	495639
Storage Temperature:	Store at -20°C,Argon charged

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.06 %
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	75.00 Mole%
Average Molecular Weight	4000-15000	14500.00
Tin(Sn)	0-150 (ppm)	18.00 ppm
Heavy metals	0-10 (ppm)	5.00 ppm
D,L-Lactide(GC)	0-0.5 (wt%)	0.26 wt%
Sulfate Ash	0-0.1 (%)	0.04 %
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	4.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.25 wt%
Water by Karl Fischer	0-0.5 (%)	0.26 %
Residual Solvents(Acetone)(GLC- HS)	0-0.1 (%)	0.07 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	25.00 Mole%
Acid Value	8-15 (mgKOH/g)	10.50 mgKOH/g
Inherent Viscosity(0.5% CHCl ₃ ,25°C)	0.14-0.22 (DL/G)	0.20800 DL/G
Appearance (P133294)	White to off-white to light Yellow-brown solid	White to off-white to light Yellow-brown solid
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