

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-12-09 12:29:05
Date of Next Testing:	2026-12-09 12:29:05
Product Name:	Poly(D,L-lactide-co-glycolide)
CAS Number:	26780-50-7
Specifications & Purity:	lactide:glycolide 50:50,ester terminated,Mw 7000-17000
Lot #:	L2407042
SKU #	P134565
Version	0
Analysis #:	436376
Storage Temperature:	Store at -20°C,Argon charged

Parameter	Limit Values	Result
Glycolide(GC)	0-0.5 (wt%)	0.11 wt%
D,L-Lactide(GC)	0-0.5 (wt%)	0.04 wt%
Heavy metals	0-10 (ppm)	9.00 ppm
Tin(Sn)	0-100 (ppm)	41.00 ppm
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.03 %
Total Residual Solvents	0-0.1 (%)	0.04 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	121.00 ppm
Acid Value	0-2 (mgKOH/g)	0.50 mgKOH/g
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.16-0.24 (DL/G)	0.20 DL/G
Sulfate Ash	0-0.1 (%)	0.10 %
Water by Karl Fischer	0-0.5 (%)	0.32 %
Appearance (P134565)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager