

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-11 11:00:46
Date of Next Testing:	2026-07-11 11:00:46
Product Name:	Poly(D,L-lactide-co-glycolide)
CAS Number:	26780-50-7
Specifications & Purity:	lactide:glycolide 50:50,ester terminated,Mw 24000-38000
Lot #:	J2210687
SKU #	P133297
Version	2
Analysis #:	385278
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
D,L-Lactide(GC)	0-0.5 (wt%)	0.06 wt%
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	50.96 Mole%
Water by Karl Fischer	0-0.5 (%)	0.25 %
Tin(Sn)	0-100 (ppm)	43.00 ppm
Heavy metals	0-10 (ppm)	0.00 ppm
Total Residual Solvents	0-0.1 (%)	0.01 %
Sulfate Ash	0-0.1 (%)	0.02 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	20.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.15 wt%
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Acid Value	0-2 (mgKOH/g)	1.45 mgKOH/g
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Inherent Viscosity(0.5% in CHCl ₃ ,25°C)	0.32-0.44 (DL/G)	0.40000 DL/G
Appearance (P133297)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager