

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-05-21 16:24:42
Date of Next Testing:	2026-05-21 16:24:42
Product Name:	<b>Poly(D,L-lactide-co-glycolide)</b>
CAS Number:	26780-50-7
Specifications & Purity:	acid terminated,lactide:glycolide 50:50,Mw 24000-38000
Lot #:	G2222566
SKU #	<b>P133342</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>360596</b>
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.34 %
Sulfate Ash	0-0.1 (%)	0.10 %
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Tin(Sn)	0-200 (ppm)	173.00 ppm
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Acid Value	≥3 (mgKOH/g)	3.78 mgKOH/g
Total Residual Solvents	0-0.1 (%)	0.00 %
Heavy metals	0-10 (ppm)	9.48 ppm
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	5.00 ppm
Inherent Viscosity(0.5%,CHCl <sub>3</sub> ,25°C)	0.32-0.44 (DL/G)	0.37000 DL/G
Appearance (P133342)	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