

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-23 16:21:07  
 Date of Next Testing: 2026-02-22 16:21:07  
 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 #: I1806091  
 SKU #: **P134565**  
**Analysis:** **323175**  
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	850.00 ppm
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Acid Value	0-2 (mgKOH/g)	0.43 mgKOH/g
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.02 %
Heavy metals	0-10 (ppm)	8.00 ppm
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.16-0.24 (DL/G)	0.20 DL/G
Total Residual Solvents	0-0.1 (%)	0.03 %
Tin(Sn)	0-100 (ppm)	35.00 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Sulfate Ash	0-0.1 (%)	0.08 %
Glycolide(GC)	0-0.5 (wt%)	0.22 wt%
Water by Karl Fischer	0-0.5 (%)	0.13 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.19 wt%
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