

## Certificate of Analysis

Date of Testing: 2024-04-17 13:21:50  
 Date of Next Testing: 2026-04-17 13:21:50  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: acid terminated,lactide:glycolide 50:50,Mw 38000-54000  
 Lot #: D2411353  
 SKU #: **P133293**  
**Analysis:** **337260**  
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Acid Value	≥2 (mgKOH/g)	3.40 mgKOH/g
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	50.00 Mole%
Glycolide(Quantitative NMR)	48-52 (Mole%)	50.00 Mole%
Tin(Sn)	0-200 (ppm)	167.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.28 %
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.45-0.6 (DL/G)	0.50 DL/G
Residual Monomer D, L-Lactide(w/w)	0-0.5 (%)	0.04000 %
Residual Solven Acetone(GC)	0-0.1 (%)	0.00000 %
Residual SolventsToluene	0-890 (ppm)	10.00000 ppm
Residual Solvents Total	0-0.1 (%)	0.00000 %
Sulfate Ash	0-0.1 (%)	0.09 %
Residual monomer Glycolide	0-0.5 (%)	0.11000 %
Total microbial count	0-2000 (cfu/g)	10.00000 cfu/g
D,L-Lactide(GC)	0-1.5 (wt%)	1.20 wt%
Appearance (P133293)	White to Off-White to Light Yellow solid	white to off-white to light yellow solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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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