

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-22 10:06:51  
 Date of Next Testing: 2025-09-21 10:06:51  
 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 #: I2311453  
 SKU #: **P133293**  
**Analysis:** **270258**  
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Acid Value	≥2 (mgKOH/g)	2.60 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)	174.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.31 %
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.45-0.6 (DL/G)	0.57 DL/G
Sulfate Ash	0-0.1 (%)	0.10 %
Residual Monomer D, L-Lactide(w/w)	0-0.5 (%)	0.03200 %
Residual monomer Glycolide	0-0.5 (%)	0.12000 %
Residual Solven Acetone(GC)	0-0.1 (%)	0.00000 %
Residual SolventsToluene	0-890 (ppm)	2.30000 ppm
Total microbial count	0-2000 (cfu/g)	3.20000 cfu/g
D,L-Lactide(GC)	0-1.5 (wt%)	1.20 wt%
Residual Solvents Total	0-0.1 (%)	0.00500 %
Appearance (P133293)	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