

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-25 13:28:20  
 Date of Next Testing: 2025-09-24 13:28:20  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: acid terminated, Mw 7000-17000  
 Lot #: I2320323  
 SKU #: **P133295**  
**Analysis:** **270274**  
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Glycolide(GC)	0-0.5 (wt%)	0.10 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	16.00 ppm
Sulfate Ash	0-0.1 (%)	0.10 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.06 wt%
Tin(Sn)	0-200 (ppm)	188.00 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Water by Karl Fischer	0-0.5 (%)	0.24 %
Total Residual Solvents	0-0.1 (%)	0.01 %
Acid Value	≥6 (mgKOH/g)	9.90 mgKOH/g
Inherent Viscosity(0.5% in CHCl <sub>3</sub> , 25°C)	0.16-0.24 (DL/G)	0.20000 DL/G
Appearance (P133295)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager