

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-14 17:06:57  
 Date of Next Testing: 2026-11-13 17:06:57  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: ester terminated, lactide:glycolide 85:15, Mw 190000-240000  
 Lot #: K2211695  
 SKU #: **P134385**  
**Analysis:** **129590**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Glycolide(Quantitative NMR)	13-17 (Mole%)	15.00 Mole%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	20.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.16 wt%
D,L-Lactide(Quantitative NMR)	83-87 (Mole%)	85.00 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.05 wt%
Water by Karl Fischer	0-0.5 (%)	0.31 %
Tin(Sn)	0-100 (ppm)	37.00 ppm
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	1.3-1.7 (DL/G)	1.50 DL/G
Total Residual Solvents	0-0.1 (%)	0.00 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Heavy metals	0-10 (ppm)	10.00 ppm
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (P134385)	White to off-white solid	White to off-white solid



John Su  
QA & QC Manager