

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-23 10:10:30  
 Date of Next Testing: 2026-08-23 10:10:30  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: acid terminated,lactide:glycolide 65:35,Mw 24000-38000  
 Lot #: K2212351  
 SKU #: **P299354**  
 Version: **0**  
 Analysis #: **403326**  
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Glycolide(Quantitative NMR)	33-37 (Mole%)	34.96 Mole%
Tin(Sn)	0-200 (ppm)	77.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.22 %
Total Residual Solvents	0-0.1 (%)	0.01 %
Heavy metals	0-10 (ppm)	9.98 ppm
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.32-0.44 (DL/G)	0.36 DL/G
Sulfate Ash	0-0.1 (%)	0.10 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	63.00 ppm
Acid Value	≥3 (mgKOH/g)	4.56 mgKOH/g
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
D,L-Lactide(Quantitative NMR)	63-67 (Mole%)	64.96 Mole%
Appearance (P299354)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager