

## Certificate of Analysis

Date of Testing: 2023-06-11 22:10:29  
 Date of Next Testing: 2025-06-10 22:10:29  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: lactide:glycolide 50:50,ester terminated,Mw 24000-38000  
 Lot #: F2309035  
 SKU #: **P133297**  
**Analysis:** **134423**  
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
D,L-Lactide(GC)	0-0.5 (wt%)	0.06 wt%
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Water by Karl Fischer	0-0.5 (%)	0.26 %
Tin(Sn)	0-100 (ppm)	44.00 ppm
Total Residual Solvents	0-0.1 (%)	0.01 %
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.32-0.44 (DL/G)	0.41 DL/G
Sulfate Ash	0-0.1 (%)	0.02 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	21.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.16 wt%
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Heavy metals	0-10 (ppm)	0.00 ppm
Acid Value	0-2 (mgKOH/g)	1.50 mgKOH/g
Appearance (P133297)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
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