

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-18 12:18:57  
 Date of Next Testing: 2026-10-17 12:18:57  
 Product Name: **Poly(D,L-lactide-co-glycolide)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: acid terminated,lactide:glycolide 75:25,Mw 4000-15000  
 Lot #: J2215432  
 SKU #: **P133294**  
**Analysis:** **129623**  
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.00 %
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	75.00 Mole%
Tin(Sn)	0-150 (ppm)	17.00 ppm
D,L-Lactide(GC)	0-0.5 (wt%)	0.18 wt%
Sulfate Ash	0-0.1 (%)	0.01 %
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	4.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.16 wt%
Water by Karl Fischer	0-0.5 (%)	0.34 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	25.00 Mole%
Acid Value	8-15 (mgKOH/g)	10.60 mgKOH/g
Inherent Viscosity(0.5% CHCl <sub>3</sub> ,25°C)	0.14-0.22 (DL/G)	0.20000 DL/G
Average Molecular Weight	4000-15000	14100.00
Heavy metals	0-10 (ppm)	10.00 ppm
Appearance (P133294)	White to off-white to light Yellow-brown solid	White to off-white to light Yellow-brown solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager