

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-19 16:03:15  
 Date of Next Testing: 2026-07-18 16:03:15  
 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 #: 11813216  
 SKU #: **P134385**  
**Analysis: 114841**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Glycolide(Quantitative NMR)	13-17 (Mole%)	15.63 Mole%
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	810.26 ppm
Glycolide(GC)	0-0.5 (wt%)	0.28 wt%
D,L-Lactide(Quantitative NMR)	83-87 (Mole%)	85.16 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.36 wt%
Water by Karl Fischer	0-0.5 (%)	0.28 %
Tin(Sn)	0-100 (ppm)	37.20 ppm
Inherent Viscosity(0.1% in CHCl <sub>3</sub> , 25°C)	1.3-1.7 (DL/G)	1.53 DL/G
Heavy metals	0-10 (ppm)	7.36 ppm
Total Residual Solvents	0-0.1 (%)	0.06 %
Residual Solvents(Acetone)(GLC- HS)	0-0.1 (%)	0.07 %
Appearance (P134385)	White to Off-white Fluffy to Fibrous Substance	White to Off-white Fluffy to Fibrous Substance
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