

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-20 11:03:34
 Date of Next Testing: 2027-10-20 11:03:34
 Product Name: **Poly(D,L-lactide-co-glycolide) (PLGA)**
 CAS Number: 26780-50-7
 Specifications & Purity: lactide:glycolide 50:50,ester terminated,Mw 7000-17000
 Lot #: J2513693
 SKU #: **P134565**
 Version: **1**
 Analysis #: **581886**
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	61.00000 ppm
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00000 Mole%
Acid Value	0-2 (mgKOH/g)	0.60000 mgKOH/g
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00000 %
Total Residual Solvents	0-0.1 (%)	0.01000 %
Tin(Sn)	0-100 (ppm)	43.00000 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00000 Mole%
Sulfate Ash	0-0.1 (%)	0.10000 %
Glycolide(GC)	0-0.5 (wt%)	0.02500 wt%
Water by Karl Fischer	0-0.5 (%)	0.22000 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.20000 wt%
Inherent Viscosity((25°C,0.5%,CHCl ₃))	0.16-0.24 (DL/G)	0.20000 DL/G
Heavy metals	0-10 (ppm)	8.00000 ppm
Appearance (P134565)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager