

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-21 10:58:18
 Date of Next Testing: 2027-06-21 10:58:18
 Product Name: **Poly(D,L-lactide-co-glycolide)(PLGA)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated,Mw 7000-17000
 Lot #: F2513441
 SKU #: **P133295**
 Version: **1**
 Analysis #: **518468**
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.01000 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00000 Mole%
Glycolide(GC)	0-0.5 (wt%)	0.01000 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	14.00000 ppm
Sulfate Ash	0-0.1 (%)	0.01000 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.05000 wt%
Tin(Sn)	0-200 (ppm)	152.00000 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00000 Mole%
Water by Karl Fischer	0-0.5 (%)	0.20000 %
Total Residual Solvents	0-0.1 (%)	0.01000 %
Acid Value	≥6 (mgKOH/g)	10.00000 mgKOH/g
Inherent Viscosity(0.5% in CHCl ₃ ,25°C)	0.16-0.24 (DL/G)	0.20000 DL/G
Appearance (P133295)	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