

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-21 11:02:15

Date of Next Testing: 2027-08-21 11:02:15

Product Name: **Poly(D,L-lactide-co-glycolide) (PLGA)**

CAS Number: 26780-50-7

Specifications & Purity: acid terminated,lactide:glycolide 50:50,Mw 38000-54000

Lot #: H2513789

SKU #: **P133293**

Version: **4**

Analysis #: **536846**

Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Acid Value	≥2 (mgKOH/g)	2.60000 mgKOH/g
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	50.00000 Mole%
Glycolide(Quantitative NMR)	48-52 (Mole%)	50.00000 Mole%
Tin(Sn)	0-200 (ppm)	180.00000 ppm
Water by Karl Fischer	0-0.5 (%)	0.27000 %
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.45-0.6 (DL/G)	0.55000 DL/G
Sulfate Ash	0-0.1 (%)	0.02300 %
Residual Monomer D, L-Lactide(w/w)	0-0.5 (%)	0.02300 %
Residual monomer Glycolide	0-0.5 (%)	0.02500 %
Residual Solven Acetone(GC)	0-0.1 (%)	0.01000 %
Residual SolventsToluene	0-890 (ppm)	1.52600 ppm
Residual Solvents Total	0-0.1 (%)	0.00100 %
Total microbial count	0-2000 (cfu/g)	2.35000 cfu/g
D,L-Lactide(GC)	0-1.5 (wt%)	0.02300 wt%
Appearance (P133293)	White to Off-White to Light Yellow solid	white to off-white to light yellow solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager