

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-11-13 10:28:35
Date of Next Testing:	2027-11-13 10:28:35
Product Name:	Poly(D,L-lactide-co-glycolide)
CAS Number:	26780-50-7
Specifications & Purity:	acid terminated, Mw 38000-54000
Lot #:	H1617043
SKU #	P136520
Version	0
Analysis #:	603842
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
D,L-Lactide(Quantitative NMR)	63-67 (Mole%)	65.20 Mole%
Average Molecular Weight	38000-54000	40559.00
Glycolide(Quantitative NMR)	33-37 (Mole%)	35.20 Mole%
Sulfate Ash	0-0.1 (%)	0.03 %
Water by Karl Fischer	0-0.5 (%)	0.20 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.02 %
Acid Value	≥3 (mgKOH/g)	5.00 mgKOH/g
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	365.99 ppm
Inherent Viscosity(0.1% in CHCl ₃ , 25°C)	0.32-0.44 (DL/G)	0.39 DL/G
Heavy metals	0-10 (ppm)	4.00 ppm
Total Residual Solvents	0-0.1 (%)	0.03 %
Tin(Sn)	0-200 (ppm)	110.20 ppm
Appearance (P136520)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager