

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-09 14:50:18
 Date of Next Testing: 2025-02-08 14:50:18
 Product Name: **Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated,lactide:glycolide 50:50,Mw 24000-38000
 Lot #: D2129160
 SKU #: **P133342**
Analysis: 185394
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.38 %
Sulfate Ash	0-0.1 (%)	0.02 %
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Tin(Sn)	0-200 (ppm)	178.00 ppm
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.32-0.44 (DL/G)	0.41 DL/G
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Acid Value	≥3 (mgKOH/g)	3.90 mgKOH/g
Total Residual Solvents	0-0.1 (%)	0.00 %
Heavy metals	0-10 (ppm)	6.30 ppm
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	12.00 ppm
Appearance (P133342)	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