

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-10 10:24:11
 Date of Next Testing: 2025-07-09 10:24:11
 Product Name: **Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated, Mw 7000-17000
 Lot #: I2128255
 SKU #: **P133295**
Analysis: **249072**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.06 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
Glycolide(GC)	0-0.5 (wt%)	0.09 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	48.00 ppm
Sulfate Ash	0-0.1 (%)	0.02 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.05 wt%
Tin(Sn)	0-200 (ppm)	175.00 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Water by Karl Fischer	0-0.5 (%)	0.24 %
Total Residual Solvents	0-0.1 (%)	0.06 %
Inherent Viscosity(0.1% in CHCl ₃ , 25°C)	0.16-0.24 (DL/G)	0.20 DL/G
Acid Value	≥6 (mgKOH/g)	10.10 mgKOH/g
Heavy metals	0-10 (ppm)	0.11 ppm
Appearance (P133295)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager