

Certificate of Analysis

Date of Testing: 2024-08-15 11:34:28
Date of Next Testing: 2026-08-15 11:34:28
Product Name: **Poly(D,L-lactide-co-glycolide)**
CAS Number: 26780-50-7
Specifications & Purity: lactide:glycolide 50:50,ester terminated,Mw 38000-54000
Lot #: J2221391
SKU #: **P134564**
Version: **0**
Analysis #: **399569**
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.30 %
Acid Value	0-1 (mgKOH/g)	0.10 mgKOH/g
Glycolide(Quantitative NMR)	45-55 (Mole%)	48.00 Mole%
Total Residual Solvents	0-0.1 (%)	0.04 %
Sulfate Ash	0-0.5 (%)	0.01 %
Heavy metals	0-10 (ppm)	9.00 ppm
D,L-Lactide(Quantitative NMR)	45-55 (Mole%)	50.00 Mole%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.01 %
D,L-Lactide(GC)	0-1.5 (wt%)	0.03 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	54.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.33 wt%
Tin(Sn)	0-150 (ppm)	37.00 ppm
Average Molecular Weight	38000-54000	51500.00
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.45-0.6 (DL/G)	0.52 DL/G
Appearance (P134564)	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