

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-07-15 13:27:52
Date of Next Testing:	2024-07-14 13:27:52
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 #:	G2211008
SKU #	P134564
Analysis:	113444
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.41 %
Acid Value	0-1 (mgKOH/g)	0.34 mgKOH/g
Glycolide(Quantitative NMR)	45-55 (Mole%)	49.00 Mole%
Total Residual Solvents	0-0.1 (%)	0.00 %
Sulfate Ash	0-0.5 (%)	0.10 %
Heavy metals	0-10 (ppm)	4.92 ppm
D,L-Lactide(Quantitative NMR)	45-55 (Mole%)	51.00 Mole%
Residual Solvents(Acetone)(GLC-0-0.1 (%) HS)		0.00 %
D,L-Lactide(GC)	0-1.5 (wt%)	0.05 wt%
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	320.76 ppm
Glycolide(GC)	0-0.5 (wt%)	0.26 wt%
Tin(Sn)	0-150 (ppm)	90.99 ppm
Average Molecular Weight	38000-54000	51300.00
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.45-0.6 (DL/G)	0.55 DL/G
Appearance (P134564)	White to Off White to yellow-brown Powder,pellets	White to Off White to yellow-brown Powder,pellets
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