

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-09-02 15:57:17
Date of Next Testing:	2025-09-01 15:57:17
Product Name:	<b>Poly(D,L-lactide-co-glycolide)</b>
CAS Number:	26780-50-7
Specifications & Purity:	lactide:glycolide 50:50,ester terminated,Mw 38000-54000
Lot #:	I2301193
SKU #	<b>P134564</b>
<b>Analysis:</b>	<b>270841</b>
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.36 %
Acid Value	0-1 (mgKOH/g)	0.30 mgKOH/g
Glycolide(Quantitative NMR)	45-55 (Mole%)	49.00 Mole%
Total Residual Solvents	0-0.1 (%)	0.01 %
Sulfate Ash	0-0.5 (%)	0.01 %
Heavy metals	0-10 (ppm)	2.00 ppm
D,L-Lactide(Quantitative NMR)	45-55 (Mole%)	51.00 Mole%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
D,L-Lactide(GC)	0-1.5 (wt%)	0.04 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	56.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.16 wt%
Tin(Sn)	0-150 (ppm)	39.00 ppm
Average Molecular Weight	38000-54000	40000.00
Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C)	0.45-0.6 (DL/G)	0.55 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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager