

Certificate of Analysis

Date of Testing: 2025-09-08 15:56:02

Date of Next Testing: 2029-09-07 15:56:02

Product Name: **Poly(D,L-lactide-co-glycolide) (PLGA)**

CAS Number: 26780-50-7

Specifications & Purity: ester terminated, lactide:glycolide 85:15, Mw 190000-240000

Lot #: K21171072

SKU #: **P134385**

Version: **0**

Analysis #: **568075**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Glycolide(Quantitative NMR)	13-17 (Mole%)	15.00 Mole%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	19.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.15 wt%
D,L-Lactide(Quantitative NMR)	83-87 (Mole%)	84.50 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.00 wt%
Water by Karl Fischer	0-0.5 (%)	0.30 %
Tin(Sn)	0-100 (ppm)	36.00 ppm
Inherent Viscosity(0.1% in CHCl ₃ , 25°C)	1.3-1.7 (DL/G)	1.45 DL/G
Heavy metals	0-10 (ppm)	0.30 ppm
Total Residual Solvents	0-0.1 (%)	0.00 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Appearance (P134385)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager