

Certificate of Analysis

Date of Testing: 2024-05-07 15:53:36

Date of Next Testing: 2028-05-06 15:53:36

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

CAS Number: 30846-39-0

Specifications & Purity: ester terminated, Lactide: Glycolide 85:15

Lot #: G2020157

SKU #: **P299055**

Analysis: **354345**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Glycolide(GC)	0-0.5 (wt%)	0.15 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	6.00 ppm
L-Lactide(GC)	0-0.5 (wt%)	0.04 wt%
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Glycolide(Quantitative NMR)	12-18 (Mole%)	13.00 Mole%
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	2.5-3.5 (DL/G)	2.70 DL/G
L-Lactide(Quantitative NMR)	82-88 (Mole%)	85.00 Mole%
Water by Karl Fischer	0-0.5 (%)	0.15 %
Tin(Sn)	0-60 (ppm)	14.00 ppm
Sulfate Ash	0-0.1 (%)	0.00 %
Appearance (P299055)	White to Off-White Powder or Granules	White to Off-White Powder or Granules
Odor (almost odorless)	pass	Pass
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