

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-08 09:29:40
 Date of Next Testing: 2025-08-07 09:29:40
 Product Name: **Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: ester terminated, Mw 54000-69000
 Lot #: C1822159
 SKU #: **P136521**
Analysis: **261254**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.61-0.74 (DL/G)	0.72 DL/G
Water by Karl Fischer	0-0.5 (%)	0.28 %
Tin(Sn)	0-100 (ppm)	39.00 ppm
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.08 wt%
Total Residual Solvents	0-0.1 (%)	0.03 %
Heavy metals	0-10 (ppm)	9.60 ppm
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	121.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.20 wt%
Sulfate Ash	0-0.1 (%)	0.10 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
Appearance (P136521)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager