

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-20 16:41:40
 Date of Next Testing: 2024-01-20 16:41:40
 Product Name: **Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: ester terminated,lactide:glycolide 75:25,Mw 76000-115000
 Lot #: A2214660
 SKU #: **P134386**
Analysis: 056084
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.06 %
Heavy metals	0-10 (ppm)	5.00 ppm
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	76.00 Mole%
Tin(Sn)	0-100 (ppm)	20.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.39 %
D,L-Lactide(GC)	0-0.5 (wt%)	0.07 wt%
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.7-1 (DL/G)	0.92 DL/G
Glycolide(GC)	0-0.5 (wt%)	0.17 wt%
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	62.00 ppm
Sulfate Ash	0-0.1 (%)	0.05 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	24.00 Mole%
Appearance (P134386)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager