

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-14 19:22:21
 Date of Next Testing: 2024-11-13 19:22:21
 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 #: K2211933
 SKU #: **P134386**
Analysis: 129603
 Storage Temperature: Store at -20°C,Argon charged

| Parameter | Limit Values | Result |
|-----------------------------------------------------|--------------------------|--------------------------|
| Total Residual Solvents | 0-0.1 (%) | 0.00 % |
| D,L-Lactide(Quantitative NMR) | 73-77 (Mole%) | 76.00 Mole% |
| Tin(Sn) | 0-100 (ppm) | 21.00 ppm |
| Water by Karl Fischer | 0-0.5 (%) | 0.29 % |
| D,L-Lactide(GC) | 0-0.5 (wt%) | 0.08 wt% |
| Inherent Viscosity(0.1% in CHCl ₃ ,25°C) | 0.7-1 (DL/G) | 0.91 DL/G |
| Glycolide(GC) | 0-0.5 (wt%) | 0.16 wt% |
| Residual solvents(GLC-HS)(toluene) | 0-890 (ppm) | 30.00 ppm |
| Sulfate Ash | 0-0.1 (%) | 0.01 % |
| Residual Solvents(Acetone)(GLC-HS) | 0-0.1 (%) | 0.00 % |
| Glycolide(Quantitative NMR) | 23-27 (Mole%) | 24.00 Mole% |
| Heavy metals | 0-10 (ppm) | 10.00 ppm |
| 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