

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|---|
| Date of Testing: | 2025-04-16 11:07:11 |
| Date of Next Testing: | 2029-04-15 11:07:11 |
| Product Name: | Poly(D,L-lactide-co-glycolide) |
| CAS Number: | 26780-50-7 |
| Specifications & Purity: | acid terminated,lactide:glycolide 75:25,Mw 4000-15000 |
| Lot #: | F2118418 |
| SKU # | P133294 |
| Version | 1 |
| Analysis #: | 495638 |
| Storage Temperature: | Store at -20°C,Argon charged |

| Parameter | Limit Values | Result |
|---|---|---|
| Total Residual Solvents | 0-0.1 (%) | 0.06 % |
| D,L-Lactide(Quantitative NMR) | 73-77 (Mole%) | 75.00 Mole% |
| Average Molecular Weight | 4000-15000 | 14500.00 |
| Tin(Sn) | 0-150 (ppm) | 18.00 ppm |
| Heavy metals | 0-10 (ppm) | 5.00 ppm |
| D,L-Lactide(GC) | 0-0.5 (wt%) | 0.26 wt% |
| Sulfate Ash | 0-0.1 (%) | 0.04 % |
| Residual solvents(GLC-HS) (toluene) | 0-890 (ppm) | 4.00 ppm |
| Glycolide(GC) | 0-0.5 (wt%) | 0.25 wt% |
| Water by Karl Fischer | 0-0.5 (%) | 0.26 % |
| Residual Solvents(Acetone)(GLC- HS) | 0-0.1 (%) | 0.07 % |
| Glycolide(Quantitative NMR) | 23-27 (Mole%) | 25.00 Mole% |
| Acid Value | 8-15 (mgKOH/g) | 10.50 mgKOH/g |
| Inherent Viscosity(0.5% CHCl ₃ ,25°C) | 0.14-0.22 (DL/G) | 0.20800 DL/G |
| Appearance (P133294) | White to off-white to light Yellow-brown solid | White to off-white to light Yellow-brown solid |
| 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