

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-03 19:05:16  
 Date of Next Testing: 2027-03-03 19:05:16  
 Product Name: **Poly(D,L-lactide-co-glycolide) (PLGA)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: ester terminated,lactide:glycolide 75:25,Mw 76000-115000  
 Lot #: B2526386  
 SKU #: **P134386**  
 Version: **0**  
 Analysis #: **473072**  
 Storage Temperature: Store at -20°C,Argon charged

| Parameter                                           | Limit Values             | Result                   |
|-----------------------------------------------------|--------------------------|--------------------------|
| D,L-Lactide(Quantitative NMR)                       | 73-77 (Mole%)            | 76.00000 Mole%           |
| Tin(Sn)                                             | 0-100 (ppm)              | 23.00000 ppm             |
| Water by Karl Fischer                               | 0-0.5 (%)                | 0.49000 %                |
| D,L-Lactide(GC)                                     | 0-0.5 (wt%)              | 0.04000 wt%              |
| Inherent Viscosity(0.1% in CHCl <sub>3</sub> ,25°C) | 0.7-1 (DL/G)             | 0.87000 DL/G             |
| Glycolide(GC)                                       | 0-0.5 (wt%)              | 0.10200 wt%              |
| Residual solvents(GLC-HS)(toluene)                  | 0-890 (ppm)              | 42.00000 ppm             |
| Sulfate Ash                                         | 0-0.1 (%)                | 0.00000 %                |
| Residual Solvents(Acetone)(GLC-HS)                  | 0-0.1 (%)                | 0.00000 %                |
| Glycolide(Quantitative NMR)                         | 23-27 (Mole%)            | 24.00000 Mole%           |
| Total Residual Solvents                             | 0-0.1 (%)                | 0.01000 %                |
| Heavy metals                                        | 0-10 (ppm)               | 8.00000 ppm              |
| Appearance (P134386)                                | White to off-white solid | White to off-white solid |
| Proton NMR spectrum                                 | Conforms to Structure    | Conforms to Structure    |



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager