

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-22 17:29:28  
 Date of Next Testing: 2028-08-21 17:29:28  
 Product Name: **Resomer® RG 502 H, Poly(D,L-lactide-co-glycolide) (PLGA)**  
 CAS Number: 26780-50-7  
 Specifications & Purity: acid terminated, Mw 7,000-17,000  
 Lot #: H2520615  
 SKU #: **R432524**  
 Version: **1**  
 Analysis #: **558316**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                            | Limit Values             | Result                   |
|------------------------------------------------------|--------------------------|--------------------------|
| Tin(Sn)                                              | 0-200 (ppm)              | 175.00000 ppm            |
| Sulfate Ash                                          | 0-0.1 (%)                | 0.05000 %                |
| Acid Value                                           | ≥6 (mgKOH/g)             | 9.70000 mgKOH/g          |
| Glycolide(Quantitative NMR)                          | 48-52 (Mole%)            | 49.00000 Mole%           |
| D,L-Lactide(Quantitative NMR)                        | 48-52 (Mole%)            | 51.00000 Mole%           |
| D,L-Lactide(GC)                                      | 0-0.5 (wt%)              | 0.05000 wt%              |
| Residual Solvents(Acetone)(GLC-HS)                   | 0-0.1 (%)                | 0.00000 %                |
| Residual solvents(GLC-HS)(toluene)                   | 0-890 (ppm)              | 9.00000 ppm              |
| Total Residual Solvents                              | 0-0.1 (%)                | 0.00000 %                |
| Glycolide(GC)                                        | 0-0.5 (wt%)              | 0.10000 wt%              |
| Water by Karl Fischer                                | 0-0.5 (%)                | 0.21000 %                |
| Inherent Viscosity(0.5% in CHCl <sub>3</sub> , 25°C) | 0.16-0.24 (DL/G)         | 0.20000 DL/G             |
| Appearance(R432524)                                  | White to off-white solid | White to off-white solid |
| Proton NMR spectrum                                  | Conforms to Structure    | Conforms to Structure    |



QualityAssurance@aladdinsci.com

---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager