

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-20 16:37:53
 Date of Next Testing: 2026-10-19 16:37:53
 Product Name: **Resomer® RG 502 H, Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated, Mw 7,000-17,000
 Lot #: J2313114
 SKU #: **R432524**
Analysis: 287915
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Tin(Sn)	0-200 (ppm)	188.00 ppm
Sulfate Ash	0-0.1 (%)	0.10 %
Acid Value	≥6 (mgKOH/g)	9.90 mgKOH/g
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00 Mole%
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.06 wt%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	16.00 ppm
Total Residual Solvents	0-0.1 (%)	0.01 %
Glycolide(GC)	0-0.5 (wt%)	0.10 wt%
Water by Karl Fischer	0-0.5 (%)	0.24 %
Inherent Viscosity(0.5% in CHCl ₃ ,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



John Su
QA & QC Manager