

Certificate of Analysis

Date of Testing: 2025-06-21 10:49:00

Date of Next Testing: 2028-06-20 10:49:00

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 #: F2513442

SKU #: **R432524**

Version: **1**

Analysis #: **533043**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Tin(Sn)	0-200 (ppm)	152.00 ppm
Sulfate Ash	0-0.1 (%)	0.01 %
Acid Value	≥6 (mgKOH/g)	10.00 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%)	0.05 wt%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	14.00 ppm
Total Residual Solvents	0-0.1 (%)	0.01 %
Glycolide(GC)	0-0.5 (wt%)	0.01 wt%
Water by Karl Fischer	0-0.5 (%)	0.20 %
Inherent Viscosity(0.5% in CHCl ₃ , 25°C)	0.16-0.24 (DL/G)	0.18000 DL/G
Appearance(R432524)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager