

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-08 09:50:38
 Date of Next Testing: 2029-04-07 09:50:38
 Product Name: **Resomer® RG 752 H, Poly(D,L-lactide-co-glycolide) (PLGA)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated,lactide:glycolide 75:25,Mw 4000-15000
 Lot #: F2118422
 SKU #: **P133294**
 Version: **1**
 Analysis #: **491176**
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.06000 %
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	75.00000 Mole%
Average Molecular Weight	4000-15000	14500.00000
Tin(Sn)	0-150 (ppm)	18.00000 ppm
Heavy metals	0-10 (ppm)	5.00000 ppm
D,L-Lactide(GC)	0-0.5 (wt%)	0.20000 wt%
Sulfate Ash	0-0.1 (%)	0.04000 %
Residual solvents(GLC-HS)	0-890 (ppm)	4.00000 ppm
(toluene)		
Glycolide(GC)	0-0.5 (wt%)	0.20000 wt%
Water by Karl Fischer	0-0.5 (%)	0.20000 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.06000 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	25.00000 Mole%
Acid Value	8-15 (mgKOH/g)	10.00000 mgKOH/g
Inherent Viscosity(0.5% CHCl ₃ ,25°C)	0.14-0.22 (DL/G)	0.20000 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



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager