

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-31 17:58:54

Date of Next Testing: 2029-03-30 17:58:54

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 #: C2518229

SKU #: **P133294**

Version: **1**

Analysis #: **010642**

Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.06500 %
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	75.00000 Mole%
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.14-0.22 (DL/G)	0.21000 DL/G
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%)	0.26000 wt%
Sulfate Ash	0-0.1 (%)	0.04200 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	4.00000 ppm
Glycolide(GC)	0-0.5 (wt%)	0.25000 wt%
Water by Karl Fischer	0-0.5 (%)	0.26000 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.06800 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	25.00000 Mole%
Acid Value	8-15 (mgKOH/g)	10.50000 mgKOH/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