

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-15 14:02:09

Date of Next Testing: 2026-09-14 14:02:09

Product Name: **Resomer® RG 753 S, Poly(D,L-lactide-co-glycolide) (PLGA)**

CAS Number: 26780-50-7

Specifications & Purity: ester terminated, Lactide: Glycolide 75:25, lactide:glycolide 75:25

Lot #: I2313129

SKU #: **R432519**

Version: **1**

Analysis #: **270263**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Polymer composition DL-Lactide	73-77 (%)	76.00000 %
Polymer composition Glycolid	23-27 (%)	24.00000 %
Inherent Viscosity(0.5% CHCl ₃ ,25°C)	0.32-0.44 (DL/G)	0.37000 DL/G
Water by Karl Fischer	0-0.5 (%)	0.38000 %
Residual monomer D,L-Lactide	0-0.5 (%)	0.12000 %
Residual monomer Glycolide	0-0.5 (%)	0.10000 %
Residual solvent toluene	0-890 (ppm)	22.00000 ppm
Tin	0-200 (ppm)	19.00000 ppm
Sulfated Ash	0-0.1 (%)	0.10000 %
Total microbial count	≤2000 (cfu/g)	8.30000 cfu/g
Yeasts and moulds	≤200 (cfu/g)	7.20000 cfu/g
Bacterial endotoxins	0-6 (EU/g)	4.20000 EU/g
Residual solvent acetone	0-0.1 (%)	0.00000 %
Residual solvent total	0-0.1 (%)	0.00000 %
Acid Value	0-1 (mgKOH/g)	0.40000 mgKOH/g
Appearance(R432519)	White to off-white Solid	White to off-white solid
NMR Spectrum 1H	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