

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-15 09:53:19

Date of Next Testing: 2026-12-14 09:53:19

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

CAS Number: 26780-50-7

Specifications & Purity: End acid, lactide: lactide 75:25

Lot #: L2313437

SKU #: **R432516**

Version: **1**

Analysis #: **270270**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Polymer composition D,L-LACTIDE(QUANTITATIVE NMR) (mol)	73-77 (%)	76.00000 %
Polymer composition GLYCOLIDE(QUANTITATIVE NMR)(mol)	23-27 (%)	24.00000 %
Inherent Viscosity(0.5%,CHCl ₃ ,25°C)	0.32-0.44 (DL/G)	0.38000 DL/G
Water by Karl Fischer	0-0.5 (%)	0.36000 %
Residual monomer D,L-Lactide	0-0.5 (%)	0.08000 %
Residual monomer Glycolide	0-0.5 (%)	0.11000 %
Residual Solvents(toluene)(GC)	0-890 (ppm)	46.00000 ppm
TIN (ICP-MS)	0-200 (ppm)	79.00000 ppm
Sulfated Ash	0-0.1 (%)	0.03000 %
Total Residual Solvents	0-0.1 (%)	0.00100 %
Total microbial count	≤2000 (cfu/g)	6.00000 cfu/g
Yeasts and moulds	≤200 (cfu/g)	8.30000 cfu/g
Identity Acid number	≥3 (mgKOH/g)	4.30000 mgKOH/g
Bacterial endotoxins	0-6 (EU/g)	3.20000 EU/g
Residual Solvents(acetone)(GC)	0-0.1 (%)	0.00500 %
Appearance(R432516)	White to off-white solid	White to off-white 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