

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-12 08:55:30
 Date of Next Testing: 2025-05-11 08:55:30
 Product Name: **Poly(D,L-lactide-co-glycolide)**
 CAS Number: 26780-50-7
 Specifications & Purity: acid terminated,lactide:glycolide 65:35,Mw 24000-38000
 Lot #: J1921122
 SKU #: **P299354**
Analysis: **222198**
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Glycolide(Quantitative NMR)	33-37 (Mole%)	36.00 Mole%
Tin(Sn)	0-200 (ppm)	79.00 ppm
Water by Karl Fischer	0-0.5 (%)	0.28 %
Total Residual Solvents	0-0.1 (%)	0.02 %
Heavy metals	0-10 (ppm)	9.00 ppm
Inherent Viscosity(0.1% in CHCl ₃ ,25°C)	0.32-0.44 (DL/G)	0.40 DL/G
Sulfate Ash	0-0.1 (%)	0.00 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	93.00 ppm
Acid Value	≥3 (mgKOH/g)	4.20 mgKOH/g
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
D,L-Lactide(Quantitative NMR)	63-67 (Mole%)	66.00 Mole%
Appearance (P299354)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager