

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-19 13:09:49

Date of Next Testing: 2029-04-18 13:09:49

Product Name: **Poly(D,L-lactide-co-glycolide)**

CAS Number: 26780-50-7

Specifications & Purity: acid terminated,lactide:glycolide 75:25,Mw 4000-15000

Lot #: D2516226

SKU #: **V30204**

Version: **0**

Analysis #: **500943**

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

Parameter	Limit Values	Result
Total Residual Solvents	0-0.1 (%)	0.00 %
D,L-Lactide(Quantitative NMR)	73-77 (Mole%)	75.00 Mole%
Average Molecular Weight	4000-15000	14100.00
Tin(Sn)	0-150 (ppm)	17.00 ppm
Heavy metals	0-10 (ppm)	10.00 ppm
D,L-Lactide(GC)	0-0.5 (wt%)	0.18 wt%
Sulfate Ash	0-0.1 (%)	0.01 %
Residual solvents(GLC-HS) (toluene)	0-890 (ppm)	4.00 ppm
Glycolide(GC)	0-0.5 (wt%)	0.16 wt%
Water by Karl Fischer	0-0.5 (%)	0.34 %
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00 %
Glycolide(Quantitative NMR)	23-27 (Mole%)	25.00 Mole%
Acid Value	8-15 (mgKOH/g)	10.60 mgKOH/g
Inherent Viscosity(0.5% CHCl ₃ ,25°C)	0.14-0.22 (DL/G)	0.20000 DL/G
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(V30204)	White to off-white to light Yellow-brown solid	White to off-white to light Yellow-brown solid

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Quality Control : Yunfei Zou

