



质量检验报告
CERTIFICATE OF ANALYSIS

产品名称(Product Name)：Resomer® RG 502 H，聚（D,L-丙交酯-co-乙交酯）
英文名称(English Name)：Resomer® RG 502 H, Poly(D,L-lactide-co-glycolide)
分子式(Molecular Formula)：[C3H4O2]x[C2H2O2]y
储存条件(Storage Condition)：2-8℃储存CAS：26780-50-7
货号(Item No)：V30242批号 (Lot. Number)：KV423742
检测日期(Date of Testing)：2025-12-01复测日期(Date of Retesting)：2028-11-30

分析项目 SPECIFICATION PROPERTIES	技术指标 STANDARD	实测结果 RESULTS
Appearance	White to off-white solid	White to off-white solid
Mol wt	Mw 7000-17000	Conform
Water	0-0.5 (%) (KF)	0.21000 %
Tin(Sn)	0-200 (ppm)	175.00000 ppm
Sulfate Ash	0-0.1 (%)	0.05000 %
Acid Value	≥ 6 (mgKOH/g)	9.70000 mgKOH/g
Glycolide(Quantitative NMR)	48-52 (Mole%)	49.00000 Mole%
D,L-Lactide(Quantitative NMR)	48-52 (Mole%)	51.00000 Mole%
D,L-Lactide(GC)	0-0.5 (wt%)	0.05000 wt%
Residual Solvents(Acetone)(GLC-HS)	0-0.1 (%)	0.00000 %
Residual solvents(GLC-HS)(toluene)	0-890 (ppm)	9.00000 ppm
Total Residual Solvents	0-0.1 (%)	0.00000 %
Glycolide(GC)	0-0.5 (wt%)	0.10000 wt%
Inherent Viscosity(0.5% in CHCl3,25℃)	0.16-0.24 (DL/G)	0.20000 DL/G
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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