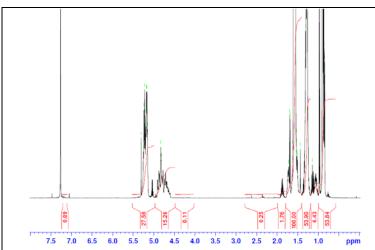
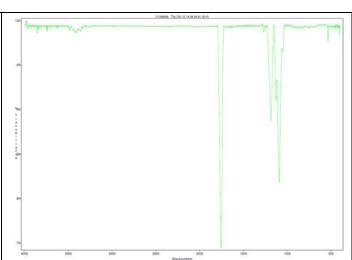
No. AP125 Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) ester endcapped (Mn: 75,000-85,000 Da, LA:GA 75:25) (Lot#: 51008MJK)

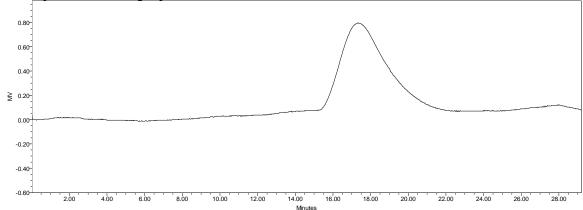


H-NMR Spectrum of PLGA polymers in CDCl3 (Varian Inova 500 MHz instrument) NMR of PLGA repeat units: LA/GA = 78:22 molar (82/18 w/w)



FTIR Analysis: Collected from cast-film on salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

GPC analysis of PLGA polymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across two Phenogel 5µm columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Dolymor	Mn (from GPC)	Mw (from GPC)	PDI
Polymer	Mn (from GPC)	Mw (from GPC)	FDI
PLGA	75,743	106,263	1.40

• Structure of PLGA polymers