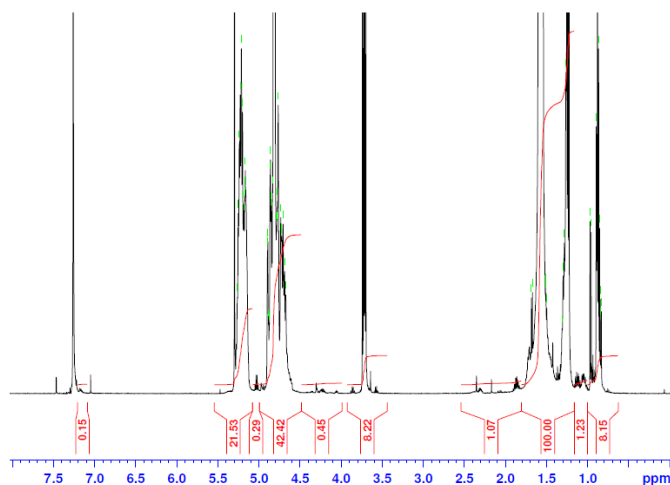


No. AP059

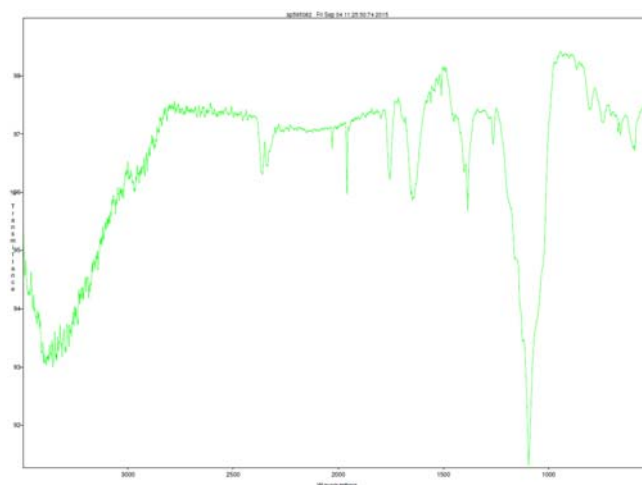
Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA, M_n : 45,000-55,000 Da)
(Lot#: 50820FAJ)

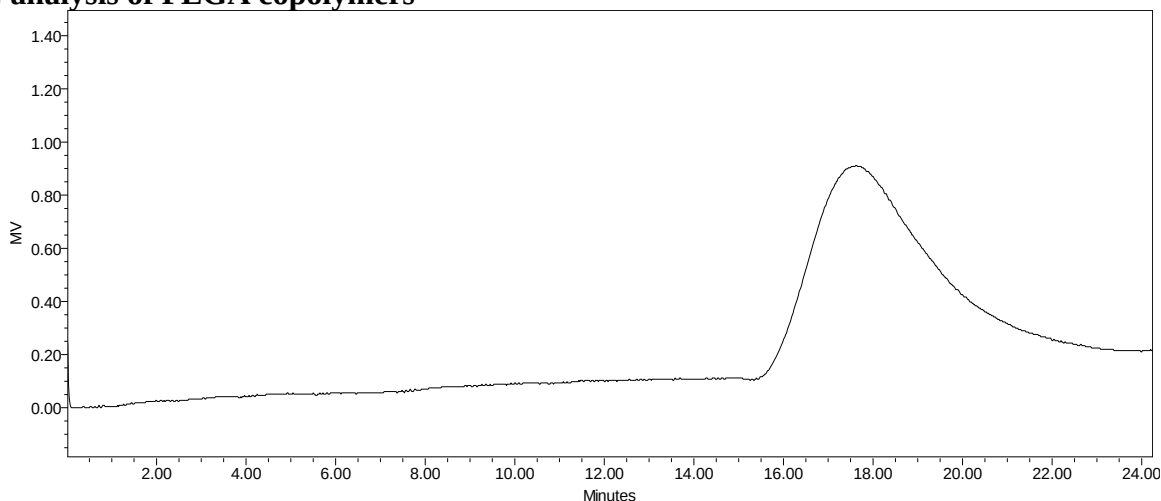


^1H -NMR Spectrum of PLGA copolymer in CDCl_3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
LA/GA = 50/50 molar ratio (56/44 w/w)



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

- GPC analysis of PLGA copolymers**

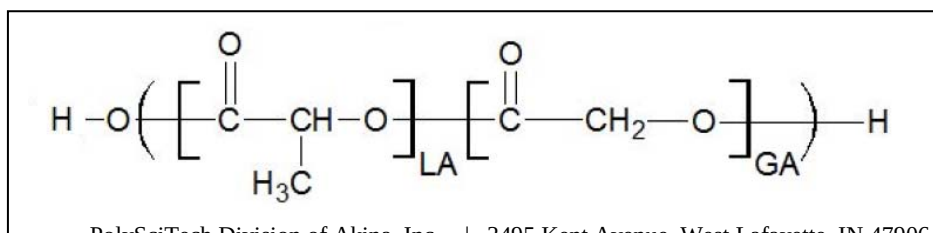


— SampleName: AP059 50820FAJ

Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5 μm columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	48076	87346	1.82

- Structure of PLGA copolymers**



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