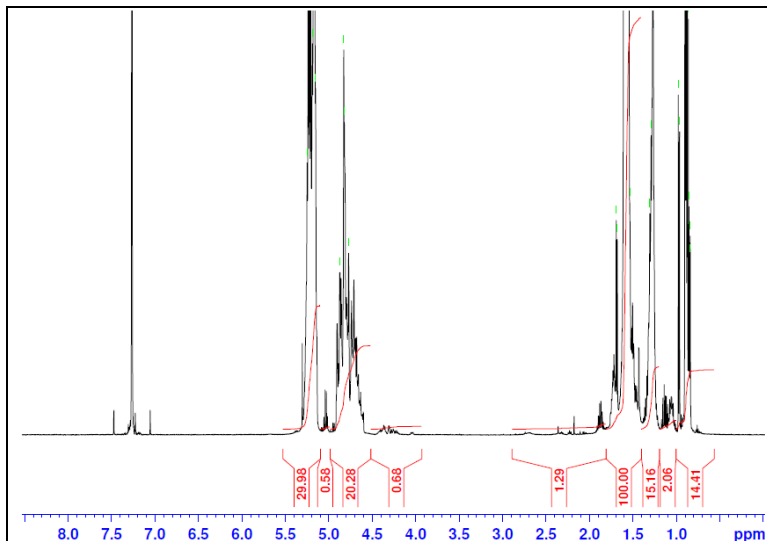


No. AP165

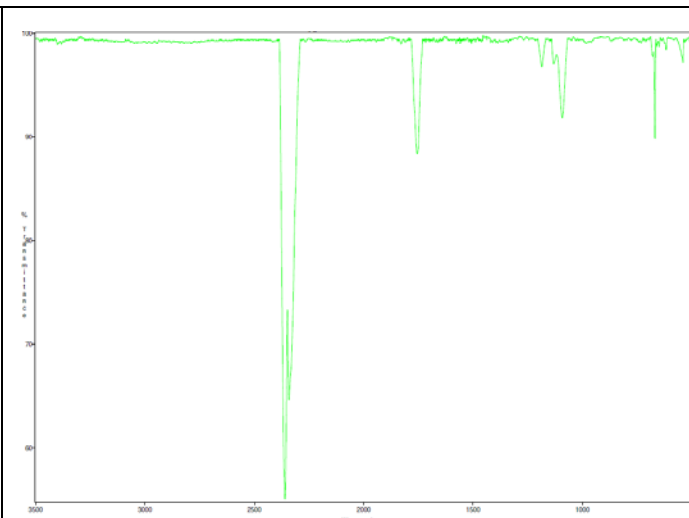
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid) acid endcapped (75:25 LA:GA) (M_n : 10,000-15,000 Da) (Lot#: 60120BPR)

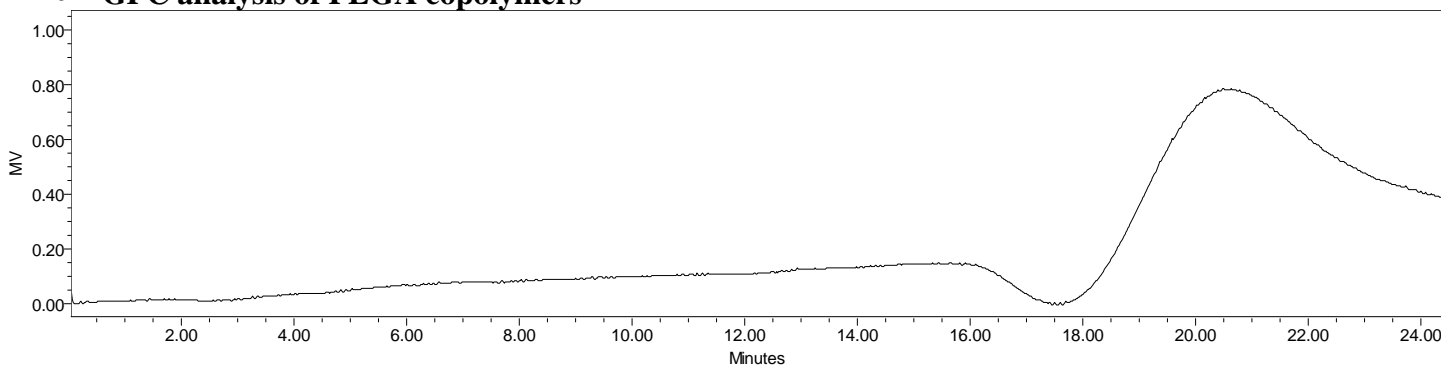


H-NMR Spectrum of PLGA copolymers in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: LA/GA = 75:25 molar ratio (79:21 w/w)



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

• GPC analysis of PLGA copolymers



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

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	10,574	17,503	1.66

• Structure of PLGA copolymers

