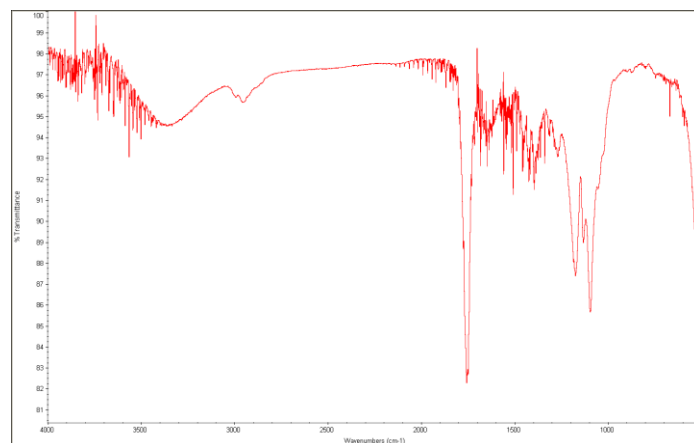
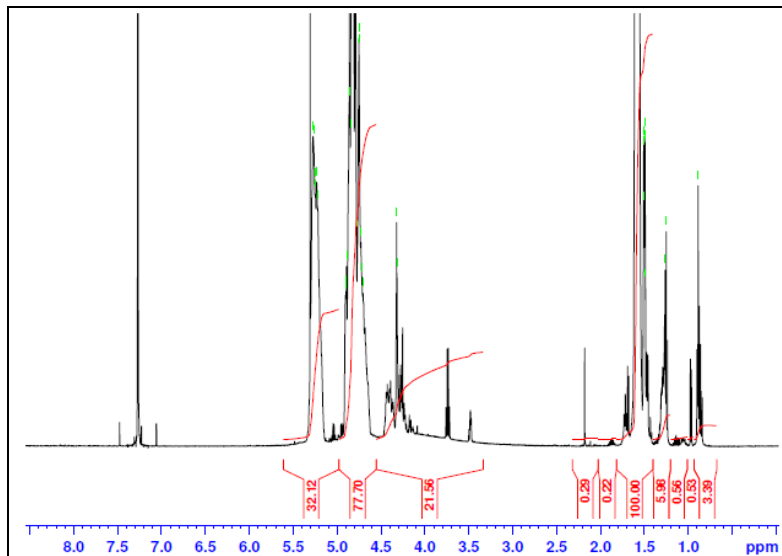


No. AP037

Certificate of Analysis



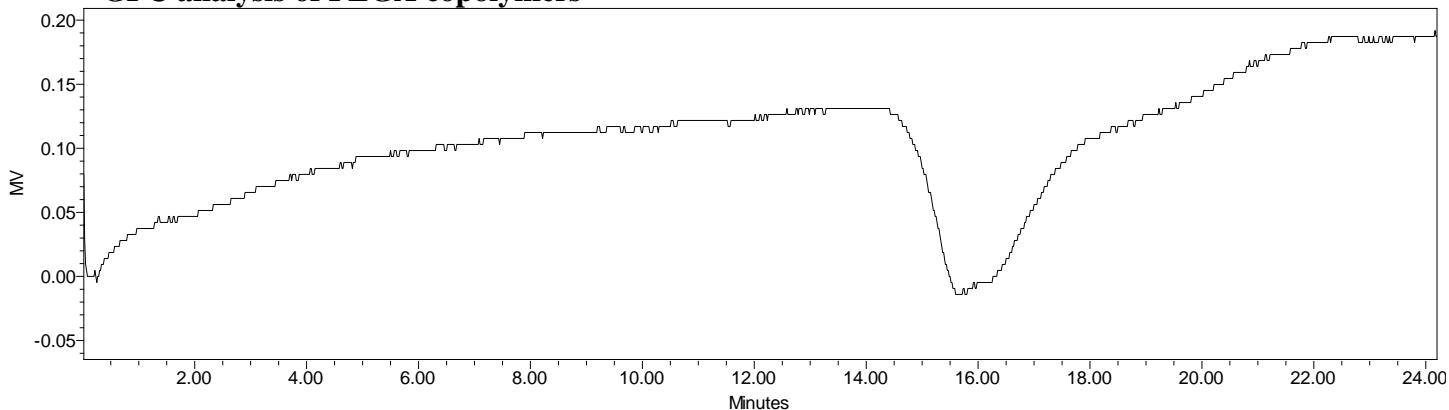
Product Name: Poly(lactic-co-glycolic) acid endcap (50:50 LA:GA, M_n : 1,000-5,000 Da)
(Lot#:61128SJH-A)



Analysis Method: Collected from cast-film on KBR salt-plate placed in Protégé 460 Spectrometer E.S.P. (Nicolet) and analyzed in transmission E.S.P. mode.

H-NMR Spectrum of PLGA copolymers in $CDCl_3$
(Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
GA/LA = 55%/45% molar ratio (51%/49% w/w).

• GPC analysis of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three GPC columns (7.8 x 300 mm, mixed porosities).
Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	3169	5795	1.83

• Structure of PLGA copolymers

