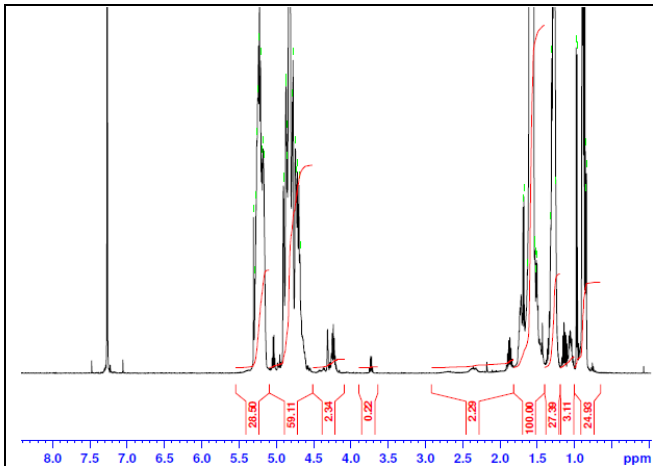


No. AP040

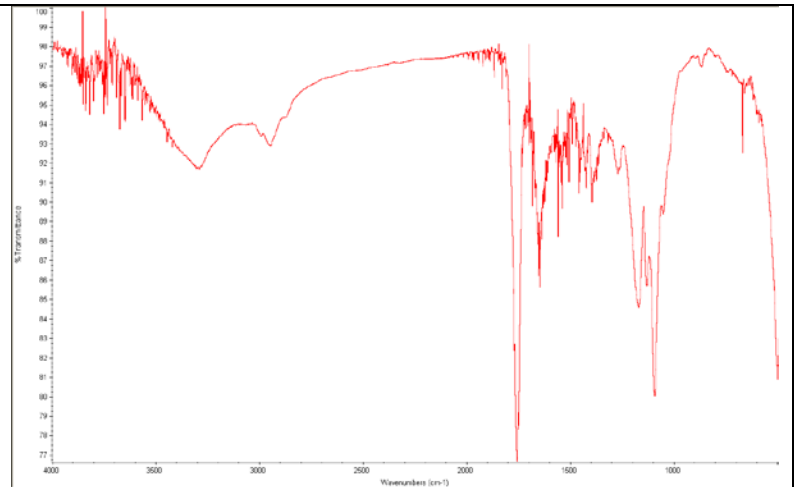
# Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA, Mn: 15,000-25,000 Da)  
(Lot#: 61121BPR-A)

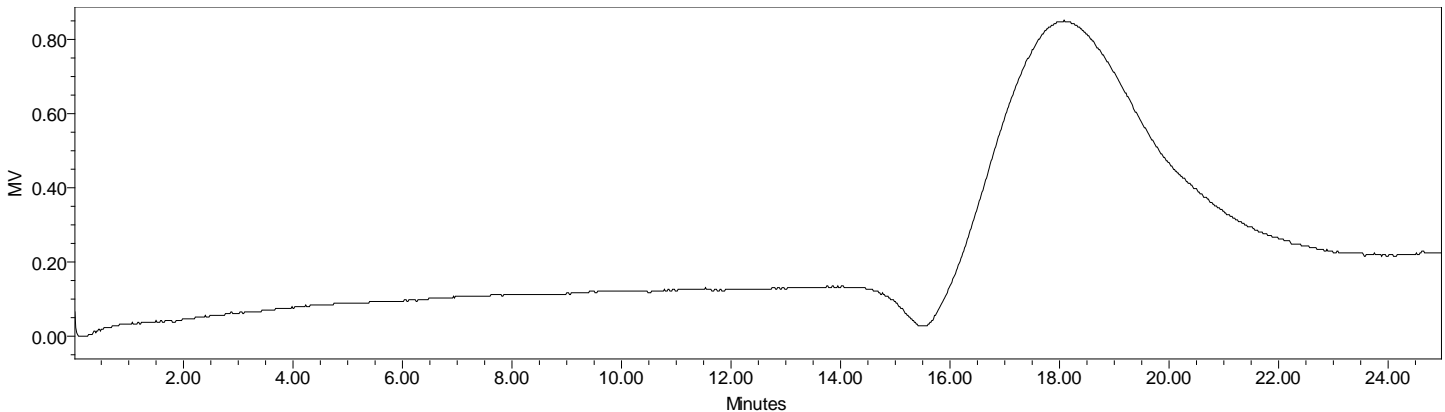


H-NMR Spectrum of PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
LA/GA = 49%/51% molar ratio (54%/46% w/w).



FTIR Analysis: 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.

## • 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	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	15,071	30,700	2.04

## • Structure of PLGA copolymers

