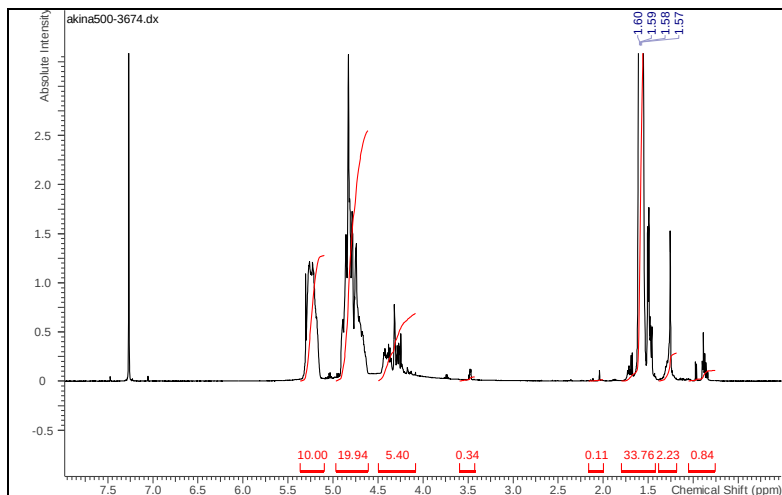


No. AP037

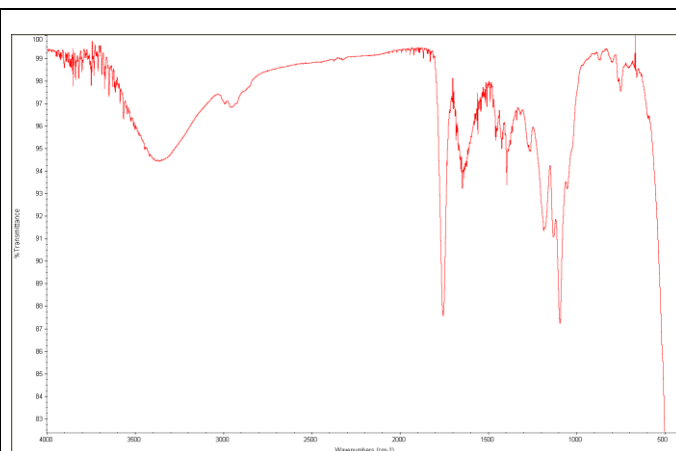
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) acid endcap (50:50 LA:GA, M_n : 1,000-5,000 Da)
(Lot#:170511NAE-A)

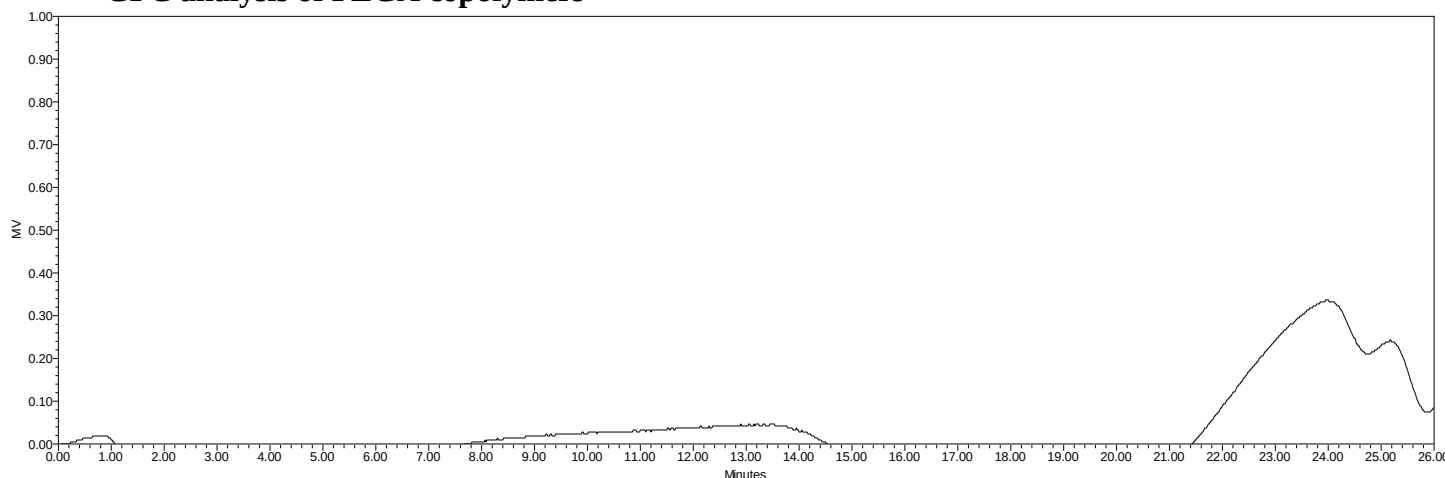


H-NMR Spectrum of PLGA copolymers in $CDCl_3$
(Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
GA/LA = 50%/50% molar ratio (45%/55% w/w).



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.

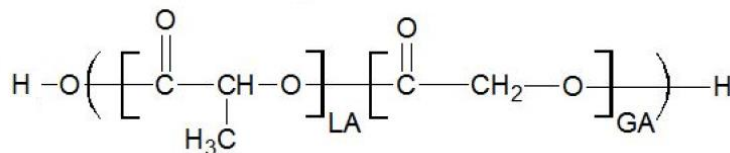
• GPC analysis of PLGA copolymers



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	1700	1917	1.13

• Structure of PLGA copolymers



Material provided for research use only. Not for human use.