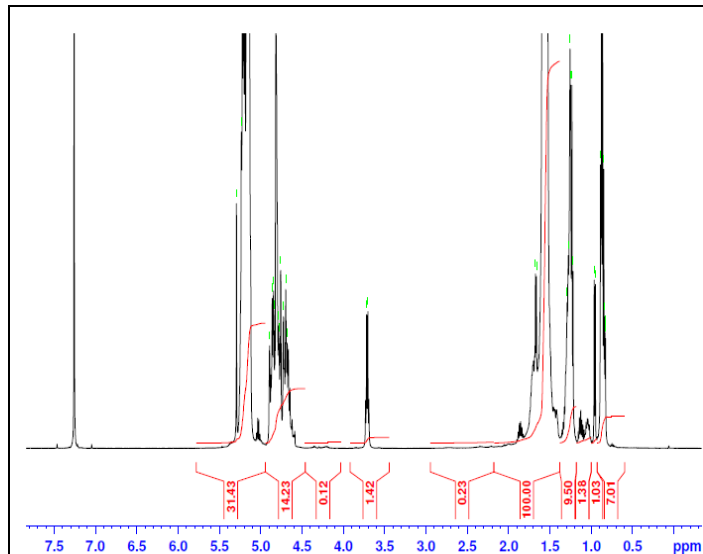


No. AP087

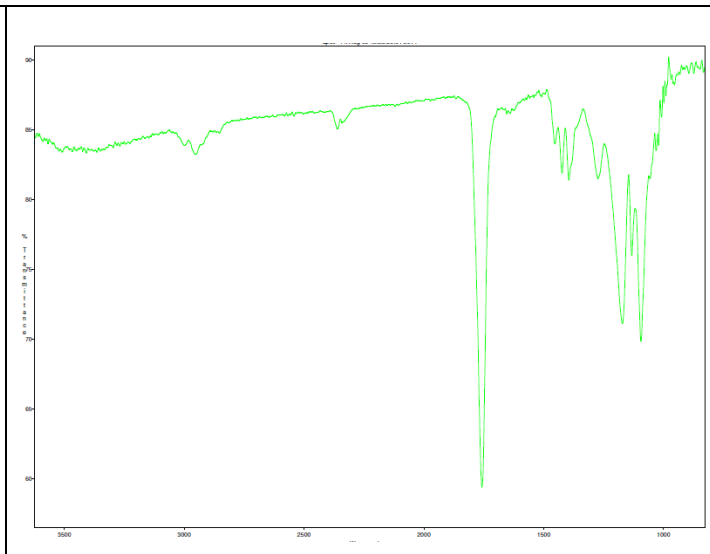
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid), acid endcap (LG 85:15,  $M_n$  45,000-55,000 Da)  
(Lot#: 40730FAJ) REV:A

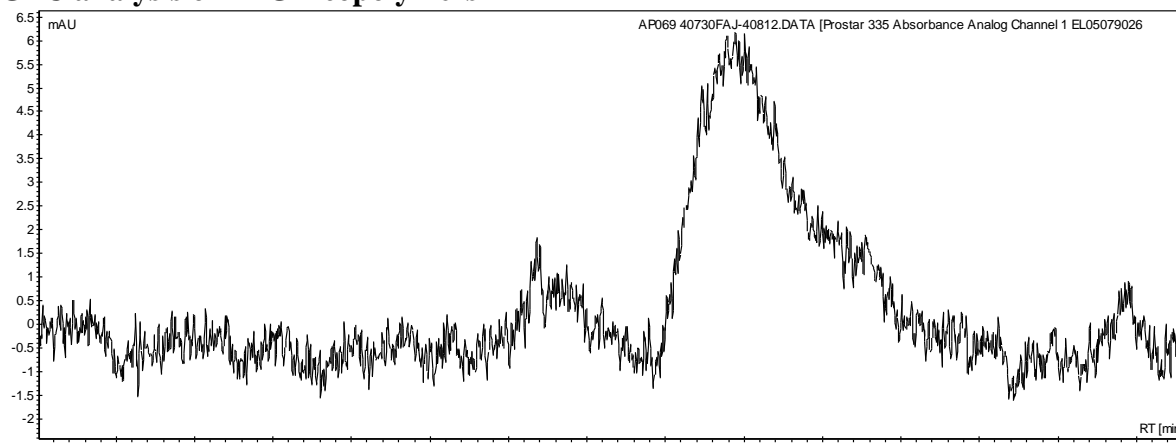


H-NMR Spectrum of PLGA copolymers in  $CDCl_3$  (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
LA/GA = 82%/18% molar ratio (85%/15% w/w)



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

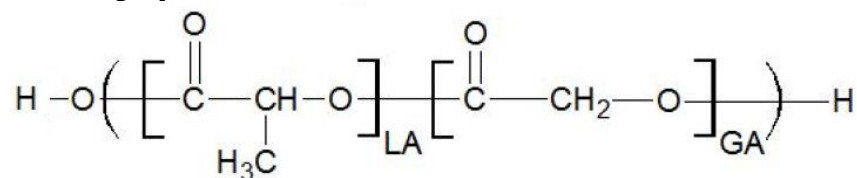
## • GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel  $5\mu m$  columns (Agilent).  
Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	47,816	119,770	2.50

## • Structure of PLGA copolymers



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