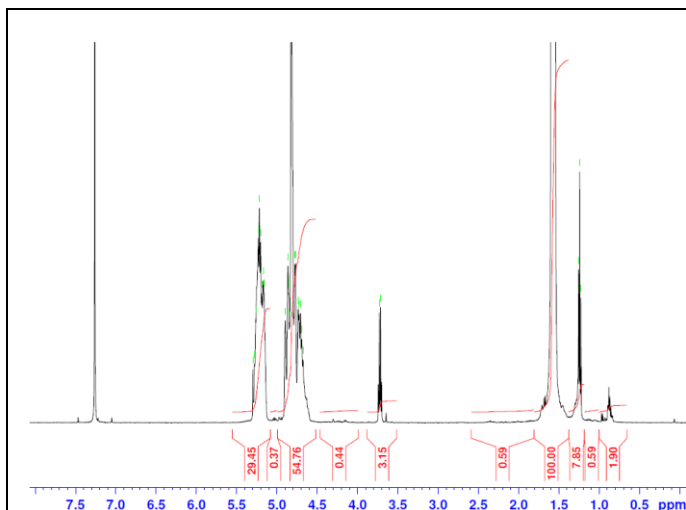


# No. AP121

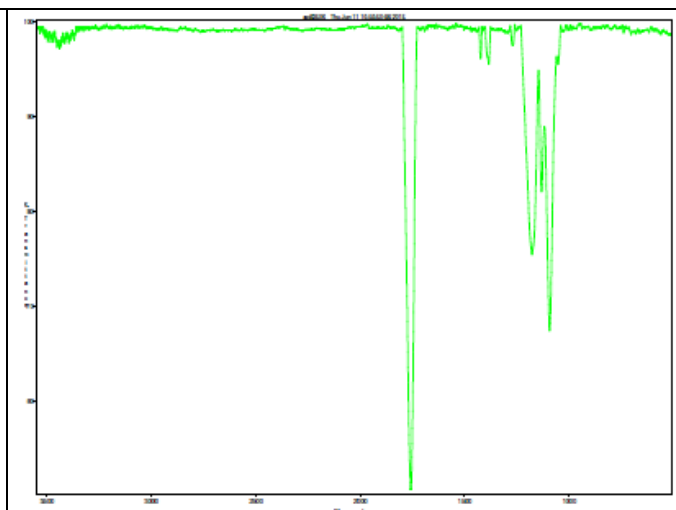
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) Copolymers ester end-capped (50:50 LA:GA,  
 $M_n$ : 45,000-55,000 Da) (Lot#: 50604MLS) REV:A

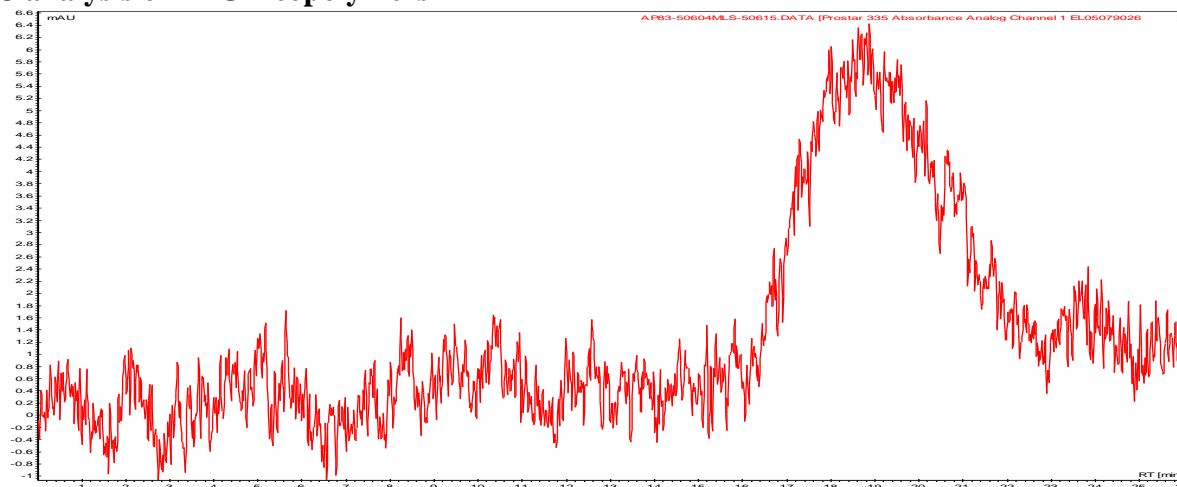


H-NMR Spectrum of PLGA copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
GA/LA = 48%/52% molar ratio (43%/57% w/w)



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

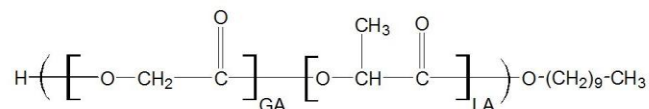
## • GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	47,597	90,895	1.91

## • Structure of PLGA copolymers



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