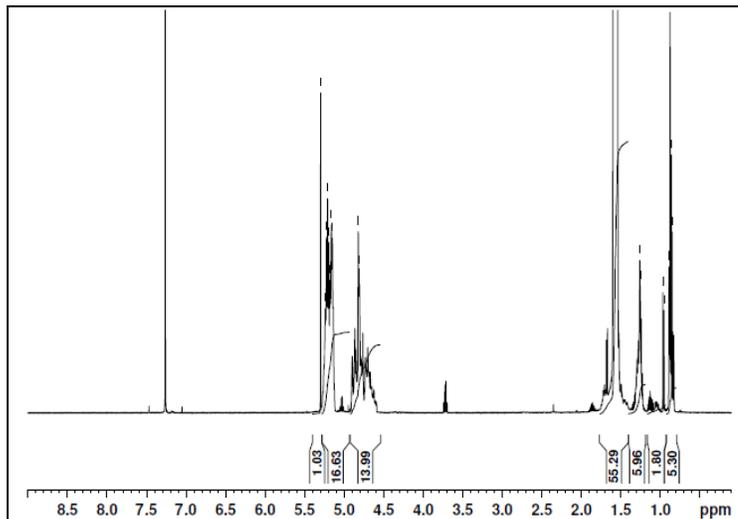


No. AP018

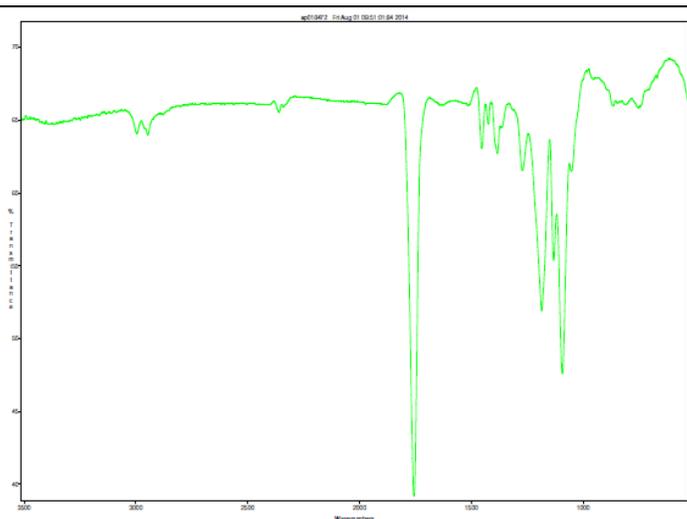
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) acid copolymer (75:25 LA:GA, M_n : 45,000-55,000 Da)
(Lot#: 40729FCK) REV:A

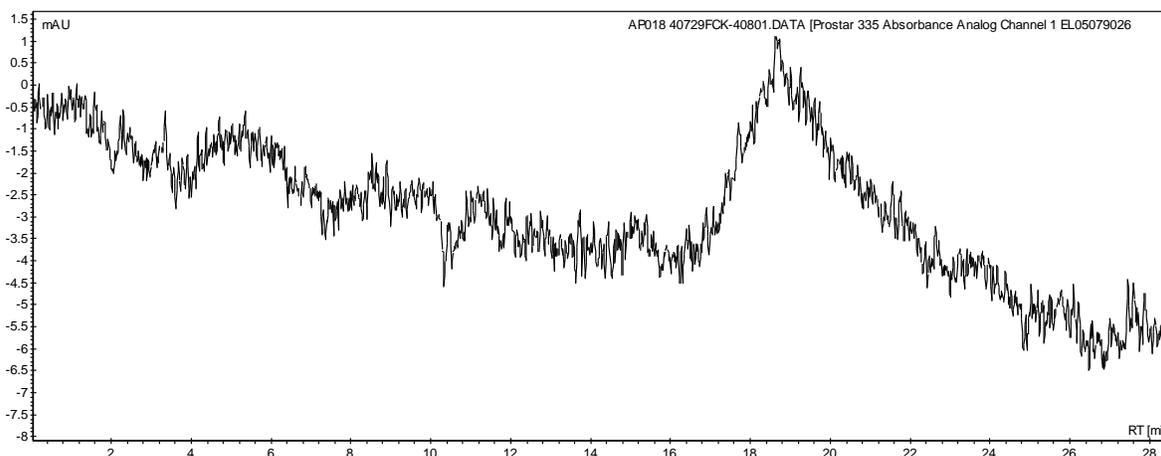


H-NMR Spectrum of PLGA copolymers in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
LA/GA = 71%/29% molar ratio (75%/25% w/w)



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 μ m columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	47,443	106,754	2.25

- **Structure of PLGA copolymers**

