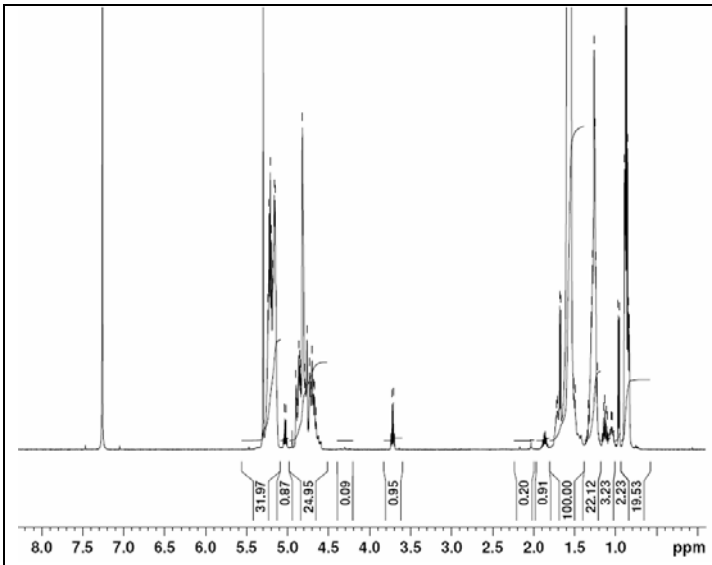
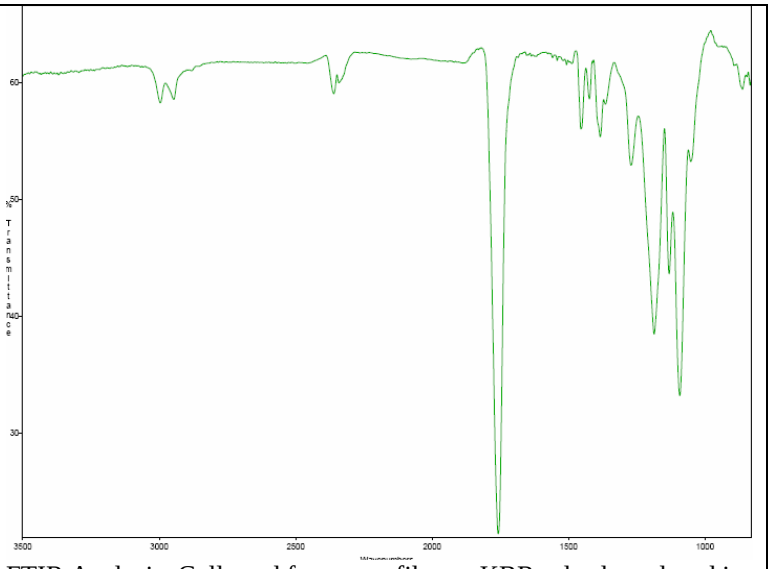
No. AP18 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic) copolymers (75:25 LA:GA, Mn: 45,000-55,000 Da)
(Lot#: 30402JLB) REV:A

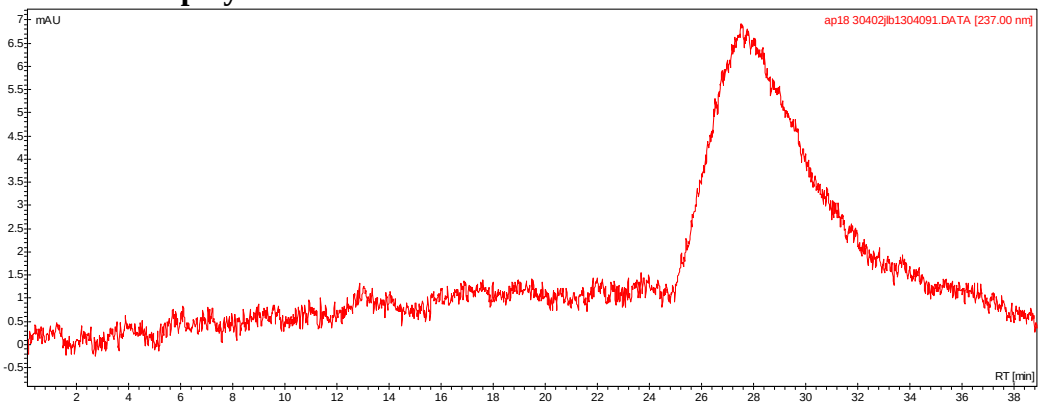


H-NMR Spectrum of PLGA copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 24%76/%

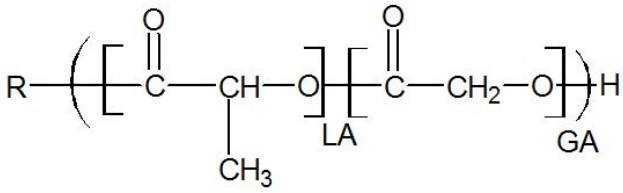


FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- **GPC analysis of PLGA copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	51953	109331	2.10

- **Structure of PLGA copolymers**