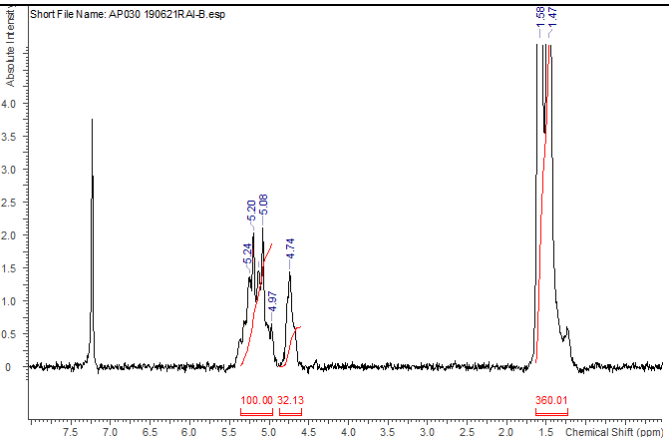
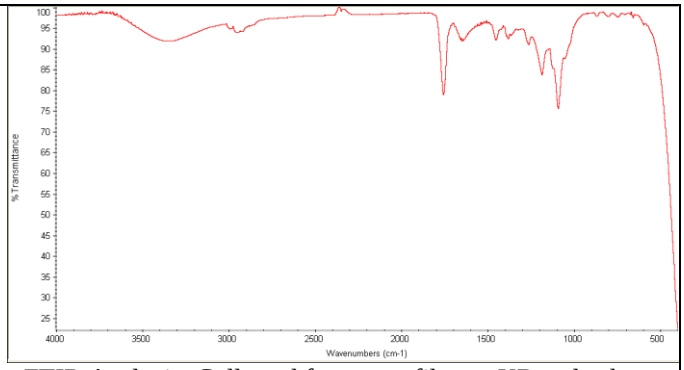
AP254 Certificate of Analysis

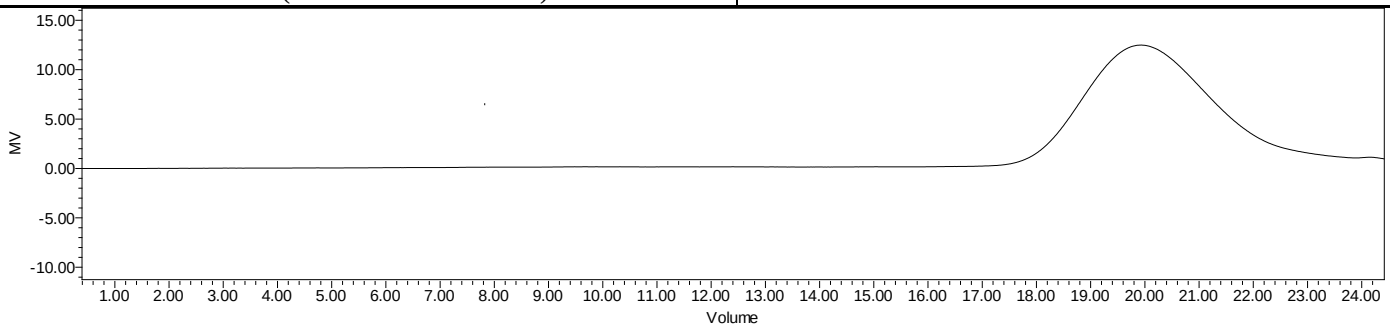
Product Name: Poly(lactic-co-glycolic) copolymers ester end capped (85:15 LA:GA) (M_n: 15,000 - 25,000 Da) (Lot#: 190621RAI-B)



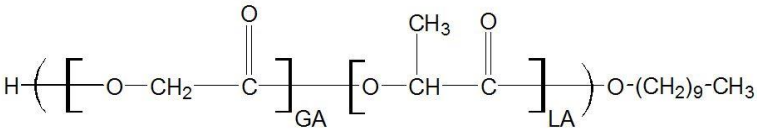
H-NMR Spectrum of copolymers in CDCl3 (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA = 86%-14% molar ratio (LA-GA 89%-11% w-w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicollet Avatar 320 spectrometer and analyzed in transmission mode.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	15,486	26,763	1.73

- **Structure of PLGA copolymers:**