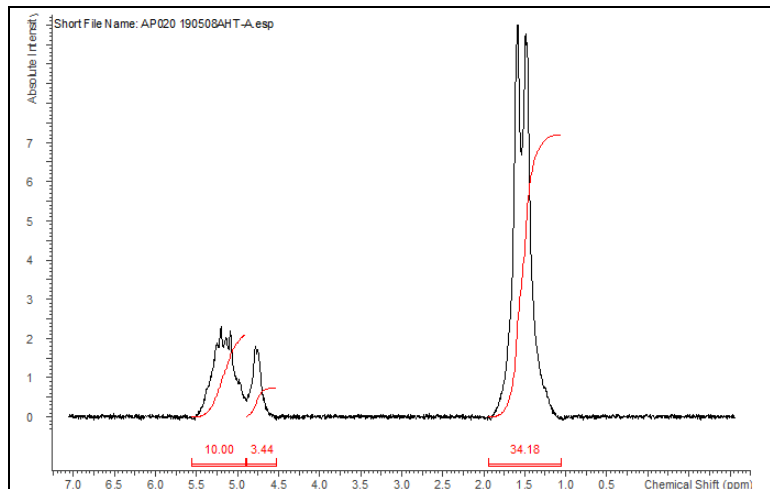


# No. AP020

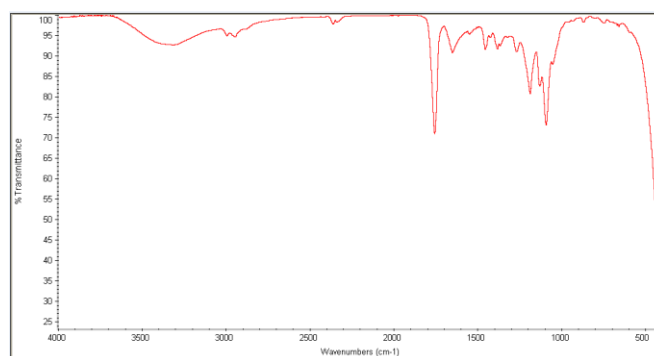
# Certificate of Analysis



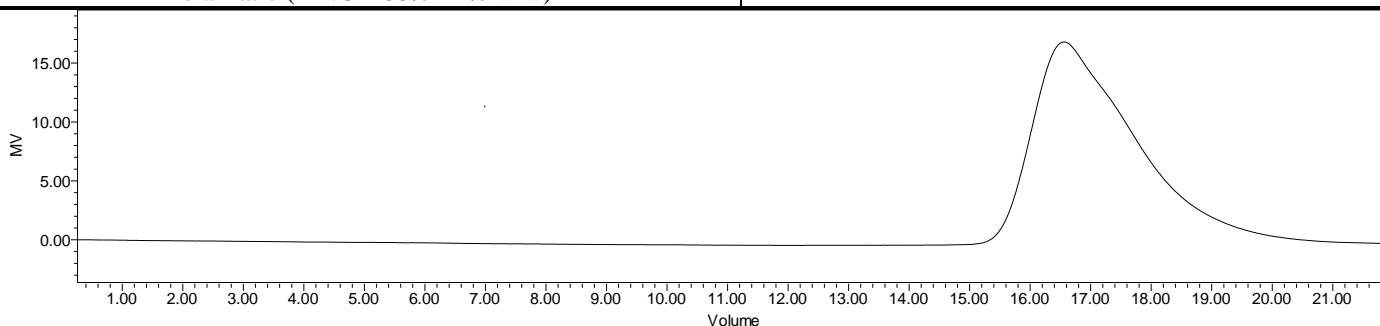
Product Name: Poly(lactic-co-glycolic) copolymers acid end capped  
(85:15 LA:GA, Mn: 100,000-200,000 Da) (Lot#: 190508AHT-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =85%-15% molar ratio (LA:GA 88%-12% w-w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicolet 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	168,637	261,663	1.55

- Structure of PLGA copolymers

