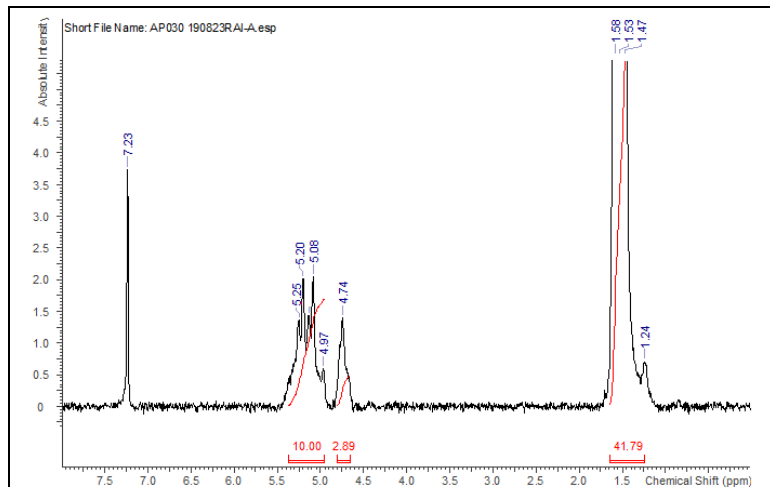


# No. AP030

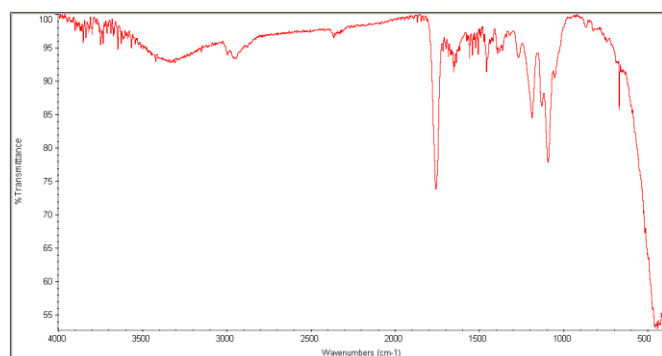
# Certificate of Analysis



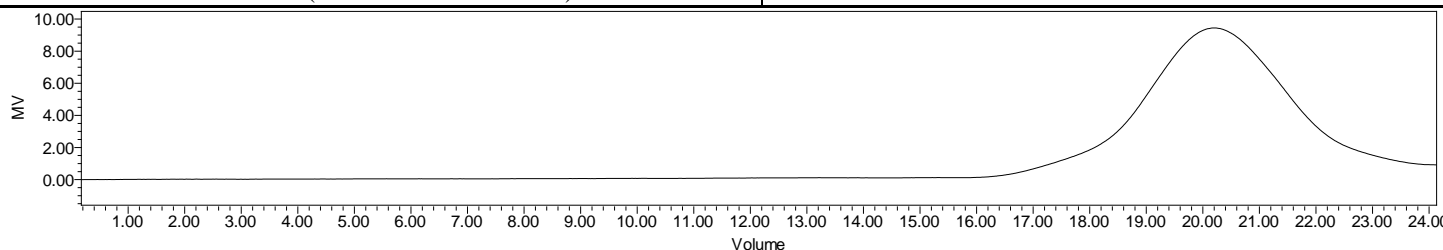
Product Name: Poly(lactic-co-glycolic) copolymers ester end capped  
(85:15 LA:GA) ( $M_n$ : 10,000 -15,000 Da) (Lot#: 190823RAI-A)



H-NMR Spectrum of copolymers in  $CDCl_3$  (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA = 87%-13% molar ratio (LA-GA 90%-10% 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	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	13,665	24,363	1.78

## • Structure of PLGA

