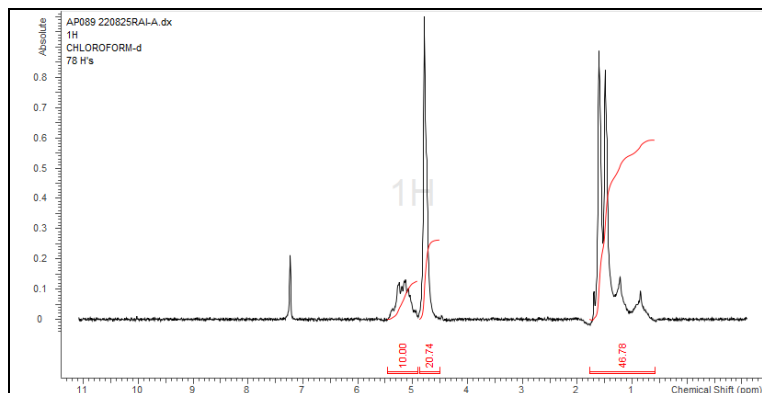


No. AP089

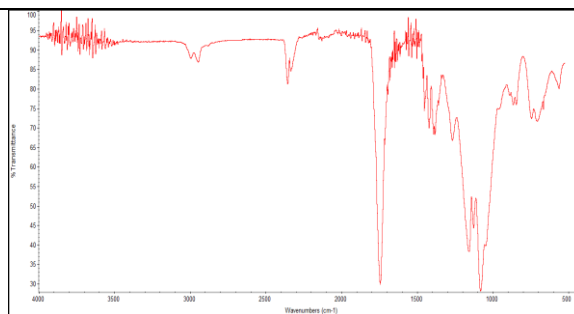
Certificate of Analysis



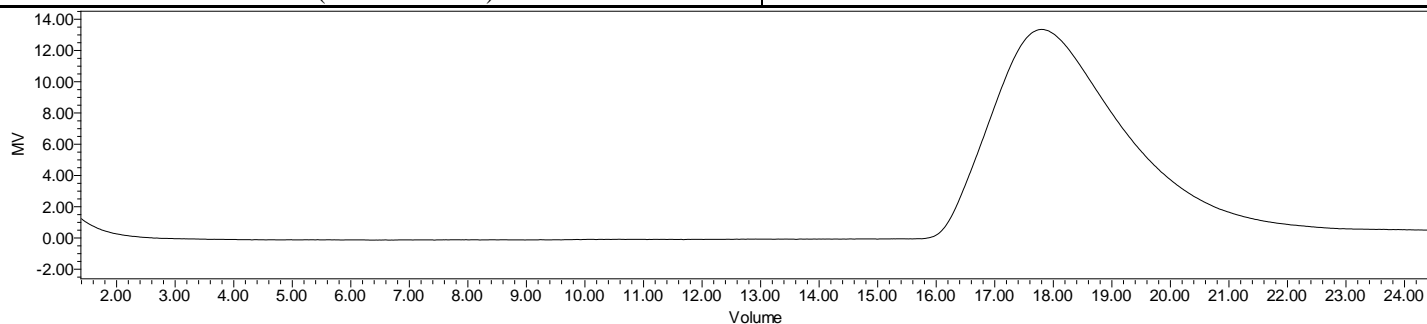
Product Name: Poly (lactic-co-glycolic acid) (50:50 LA:GA, M_n : 75,000 – 85,000 Da) (Lot#: 220825RAI-A)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: 49%-51% molar ratio (54%-46% w-w)



FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



GPC-ES 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	78,147	112,060	1.43

- Structure of PLGA copolymers**

