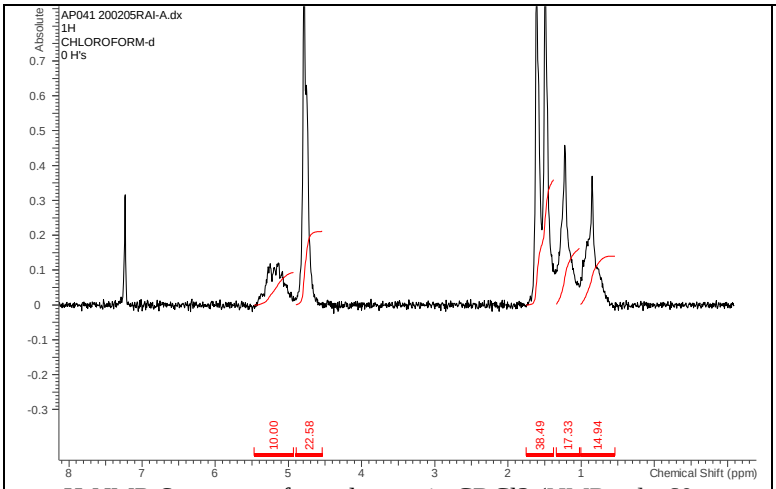
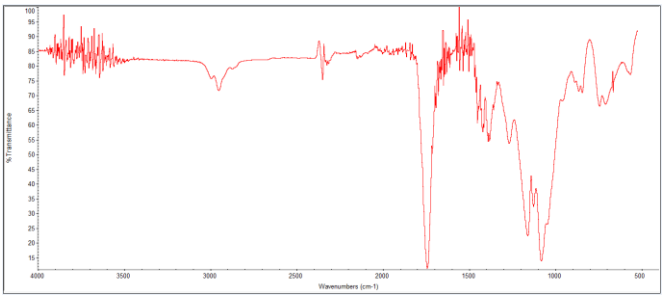
No. AP040 Certificate of Analysis

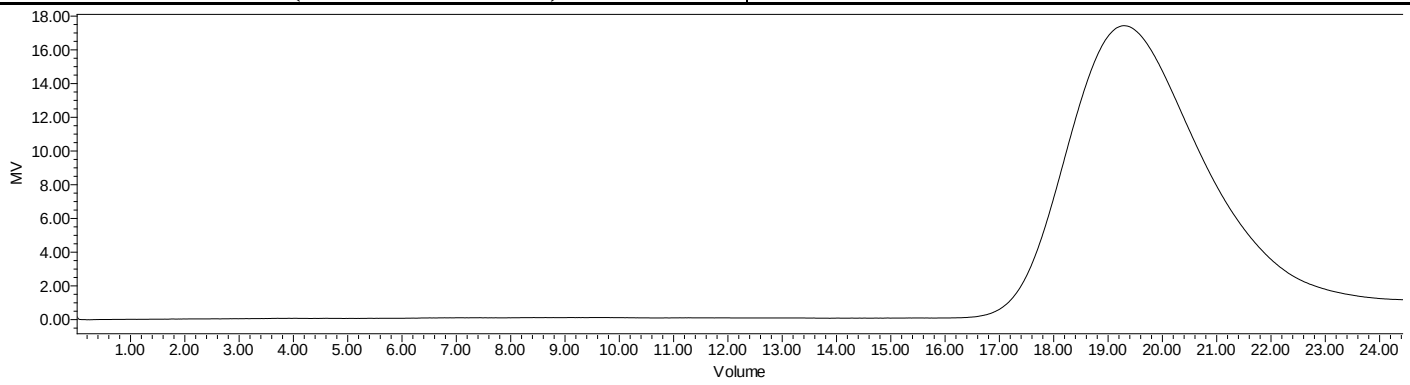
Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA) (Mn: 15,000-25,000 Da) (Lot#: 200205RAI-A)



H-NMR Spectrum of copolymers in CDCl3 (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA = 47%-53% molar ratio (LA-GA 52%-48% w-w)



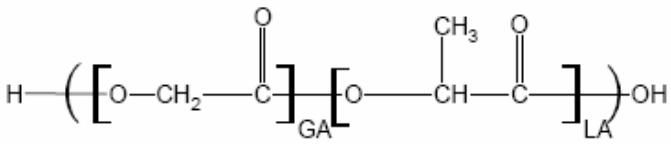
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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	21,149	42,145	1.99

- **Structure of PLGA copolymers**



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