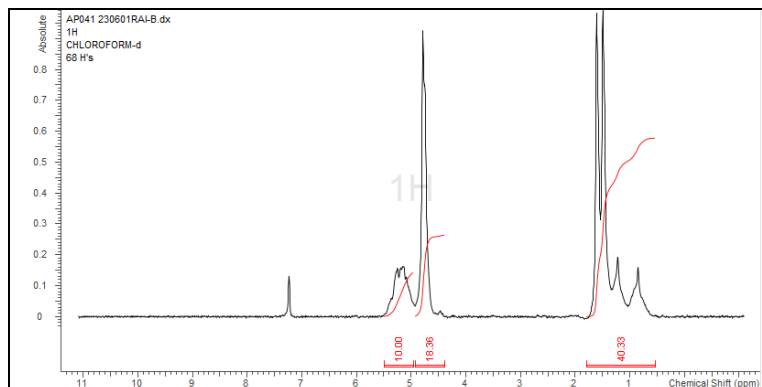


# No. AP041

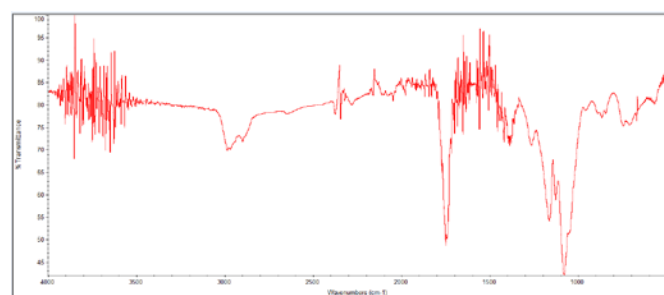
# Certificate of Analysis



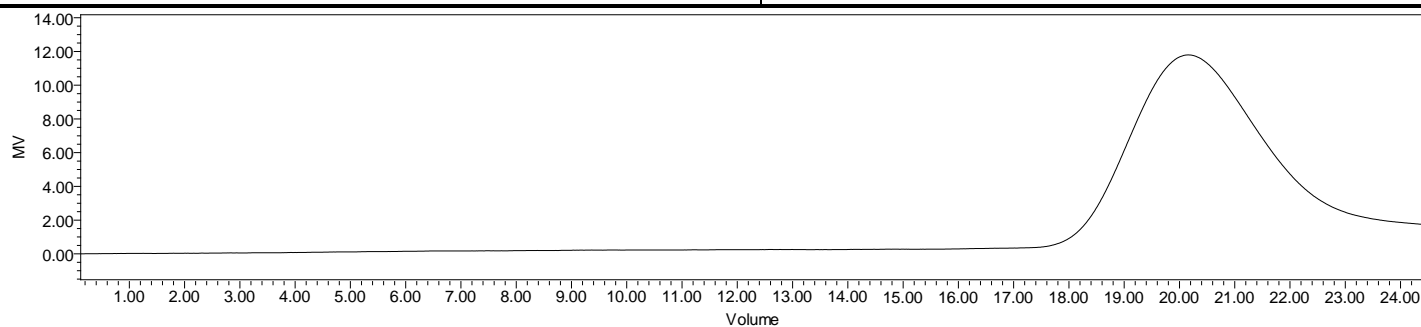
Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA)  
(Mn: 10,000-15,000 Da) (Lot#: 230601RAI-B)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA:GA 52%:48% molar ratio (LA:GA 57%:43% w:w)



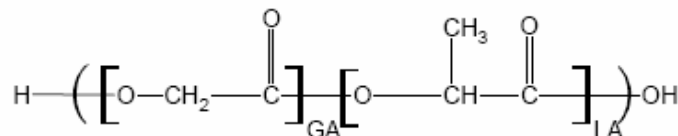
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	14,118	24,021	1.70

- Structure of PLGA copolymers



Approved By:  
*Amie Tyler*  
Quality Manager