

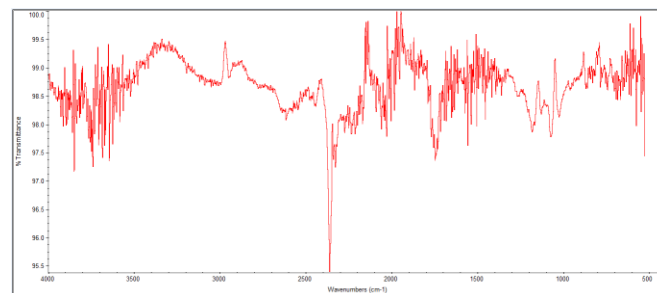
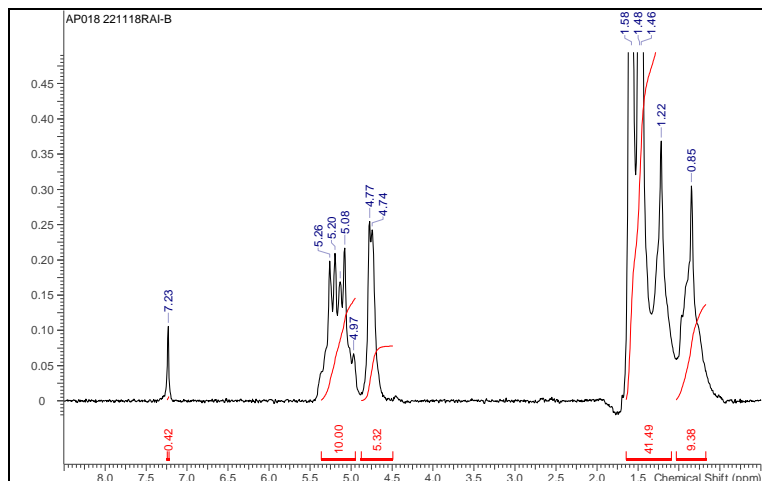
No. AP018

Certificate of Analysis



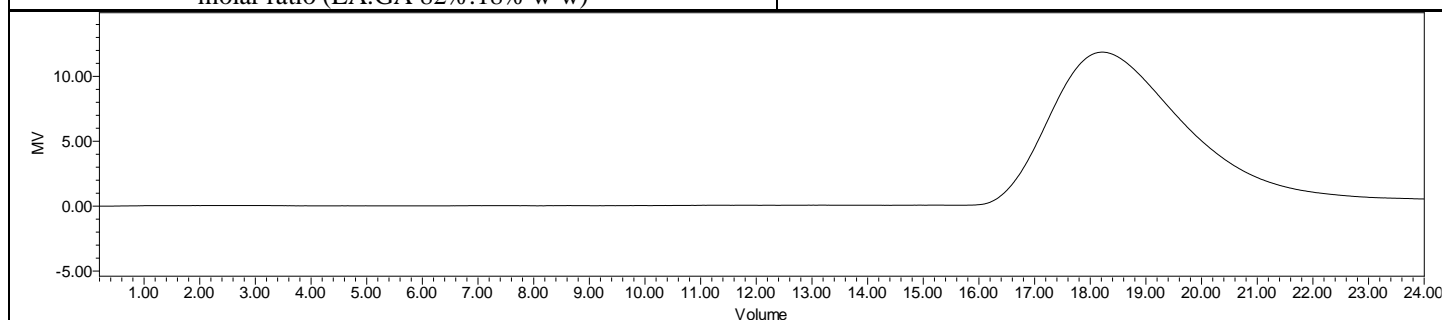
Product Name: Poly(lactide-co-glycolide) acid endcapped (75:25 LA:GA)

(M_n: 45,000-55,000 Da) (Lot#: 221118RAI-B)



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

H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA:GA 79%:21% molar ratio (LA:GA 82%:18% w-w)



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	51,439	81,429	1.58

- Structure of PLGA copolymers**

