

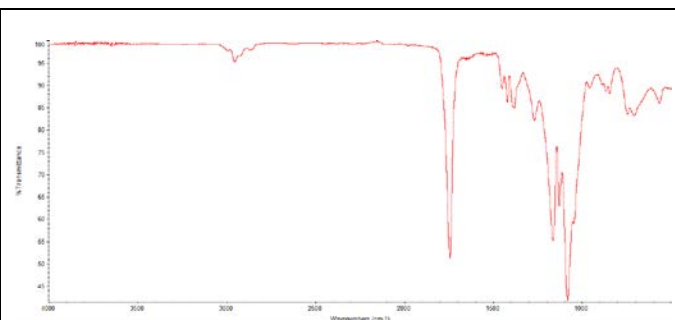
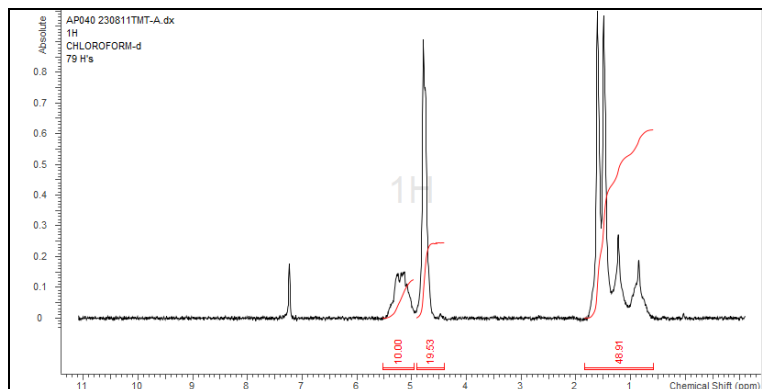
No. AP040

Certificate of Analysis



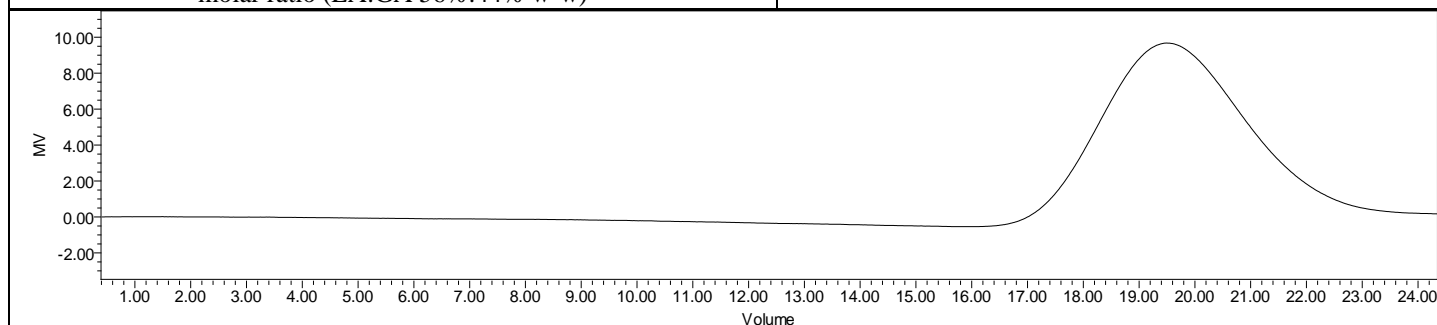
Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA)

(Mn: 15,000-25,000 Da) (Lot#: 230811TMT-A)



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

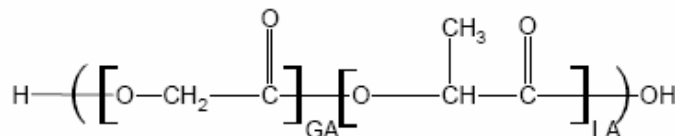
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA:GA 51%:49% molar ratio (LA:GA 56%:44% w-w)



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	23,576	41,065	1.74

• Structure of PLGA copolymers



Approved By:
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Quality Manager