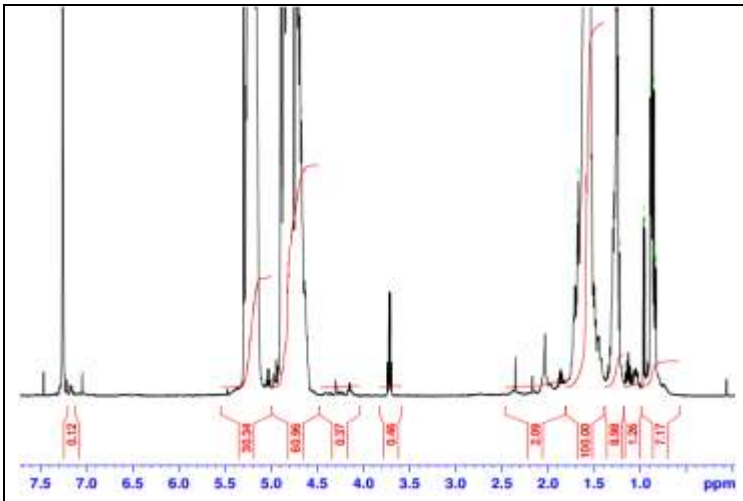
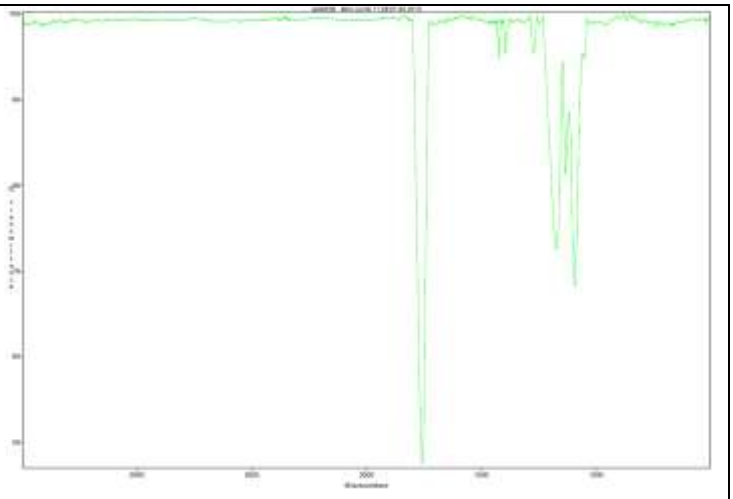
No. AP039 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic) ester endcap (50:50 LA:GA, M_n: 35,000-45,000 Da)
(Lot#: 50630MJK) REV:A

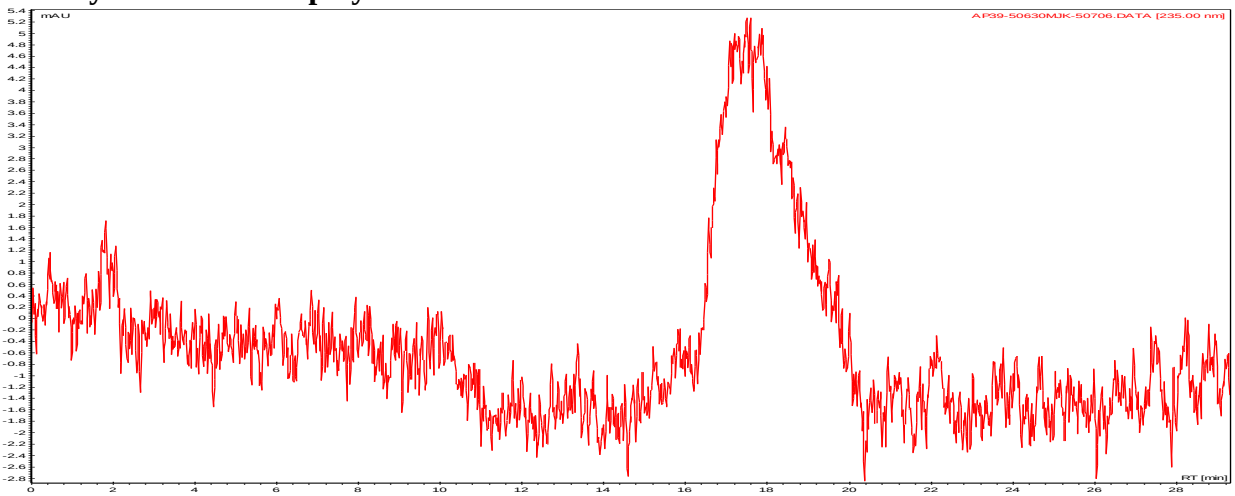


H-NMR Spectrum of PLGA copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: LA/GA = 50%/50% molar ratio (55%/45% w/w)



Analysis Method: Collected from cast-film on salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

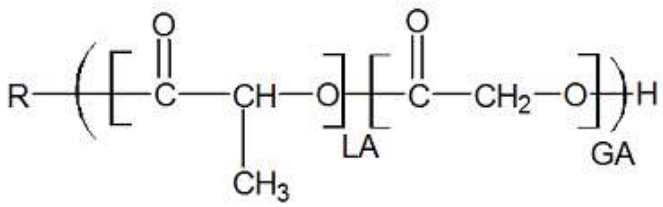
- **GPC analysis of PLGA copolymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	42,047	64,140	1.52

- **Structure of PLGA copolymers**



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