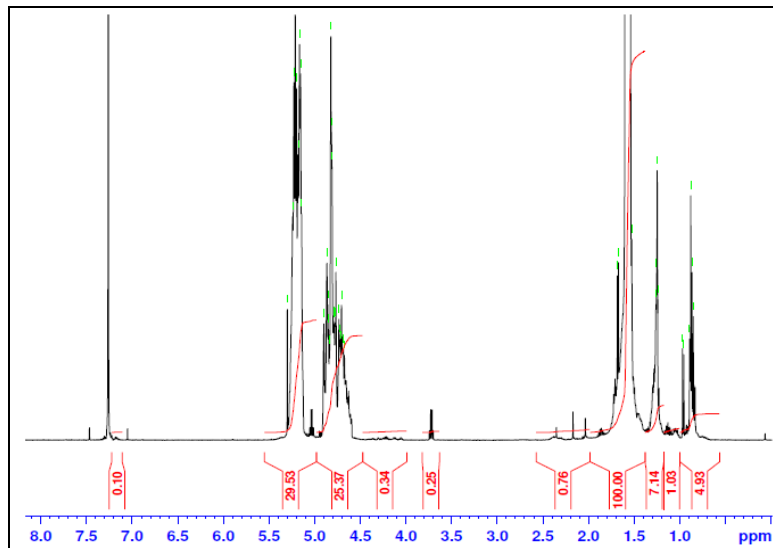


No. AP132

Certificate of Analysis

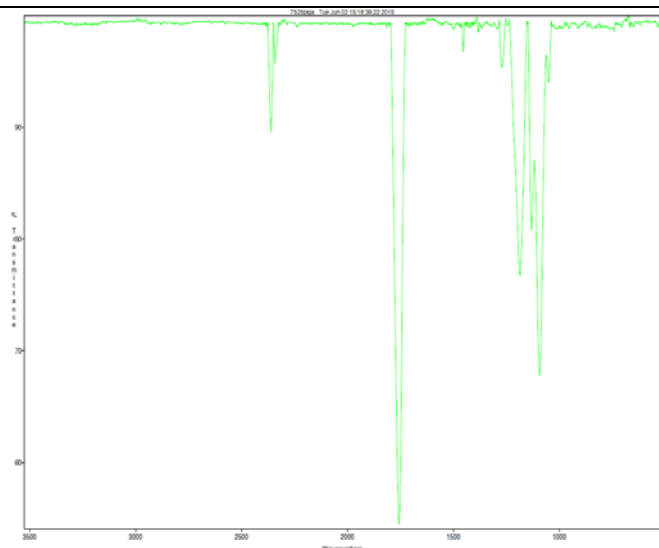
Product Name: Poly(lactic-co-glycolic) copolymers acid endcap (75:25 LA:GA, Mn: 25,000-35,000 Da) (Lot#: 50522MLS)

H-NMR



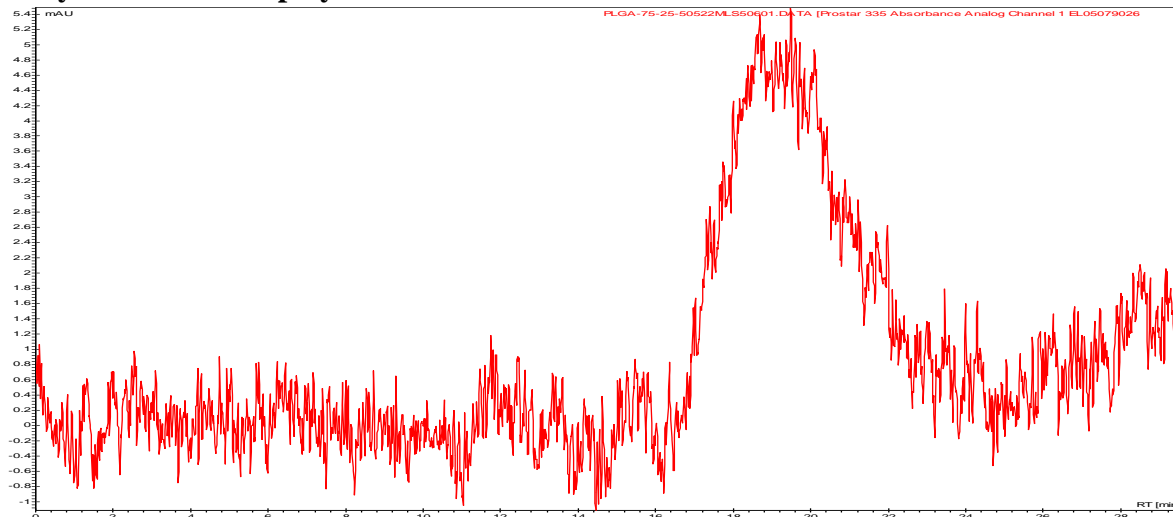
H-NMR Spectrum of PLGA copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
GA/LA = 26%/74%

FTIR



Analysis Method: Collected from cast-film on KBR 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 three Phenogel columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	33,319	79,138	2.38

- Structure of PLGA copolymers**

