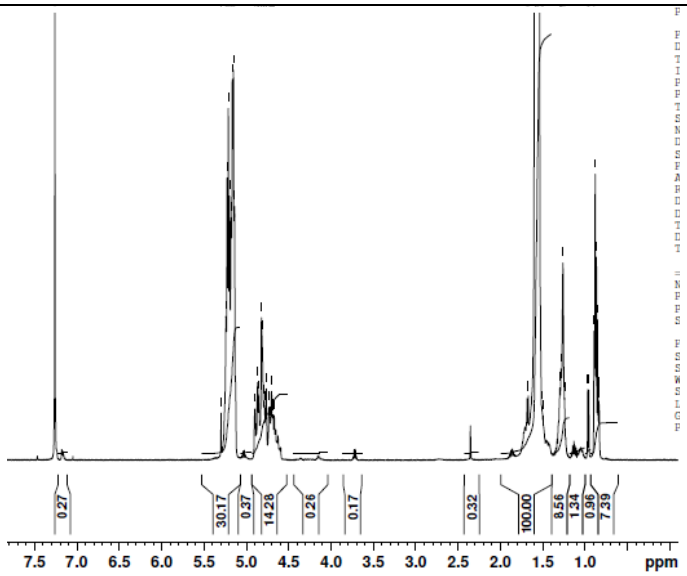
No. AP31 Certificate of Analysis

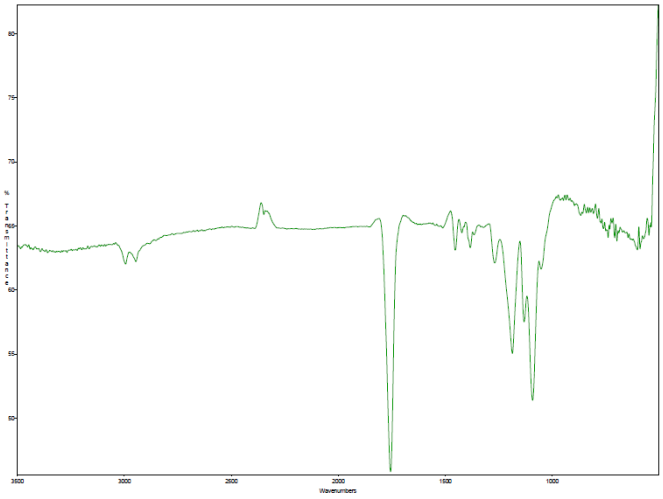
Product Name: Poly(lactic-co-glycolic acid) copolymers ester endcapped (85:15 LA:GA, Mn: 25,000-35,000 Da) (Lot#: 31008AHT) REV:A

H-NMR



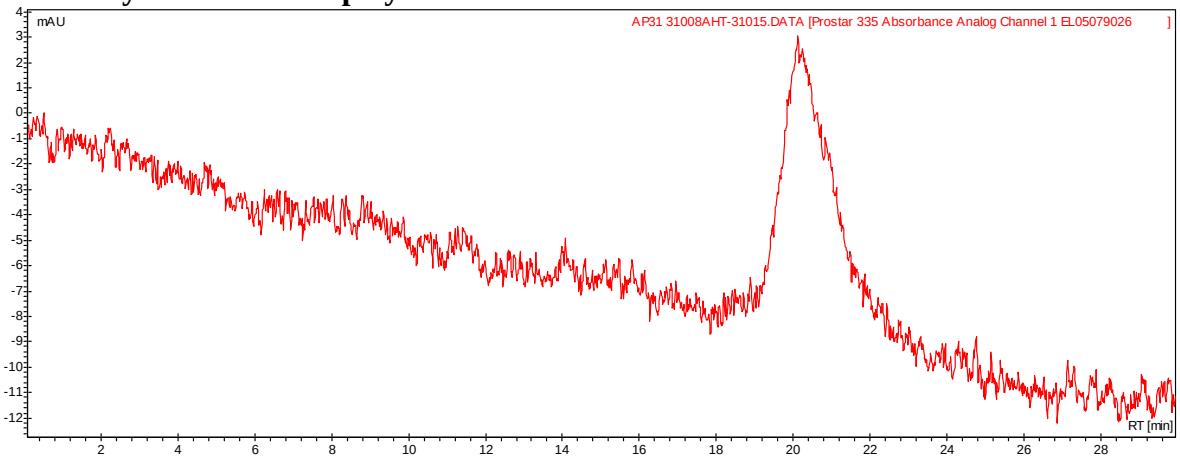
H-NMR Spectrum of PLGA copolymer in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 16%/84%

FTIR

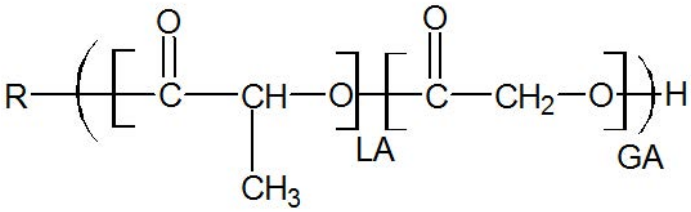


FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- **GPC analysis of PLGA copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	32845	44482	1.35

- **Structure of PLGA copolymers**