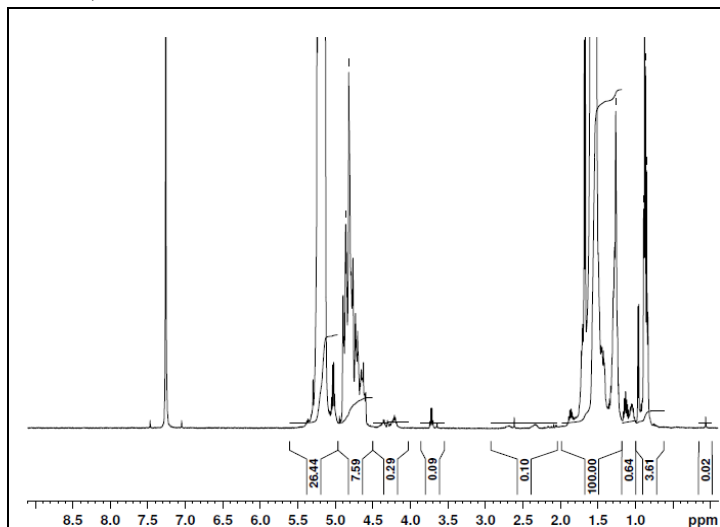


No. AP105

Certificate of Analysis

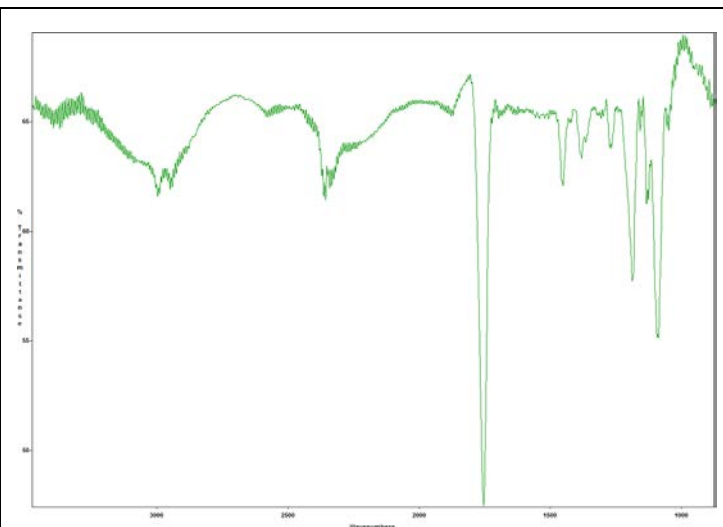
Product Name: Poly(lactide-co-glycolide) acid endcap (90:10 LA:GA) (M_n : 15,000-25,000 Da)
(Lot#: 31211SMS)

H-NMR



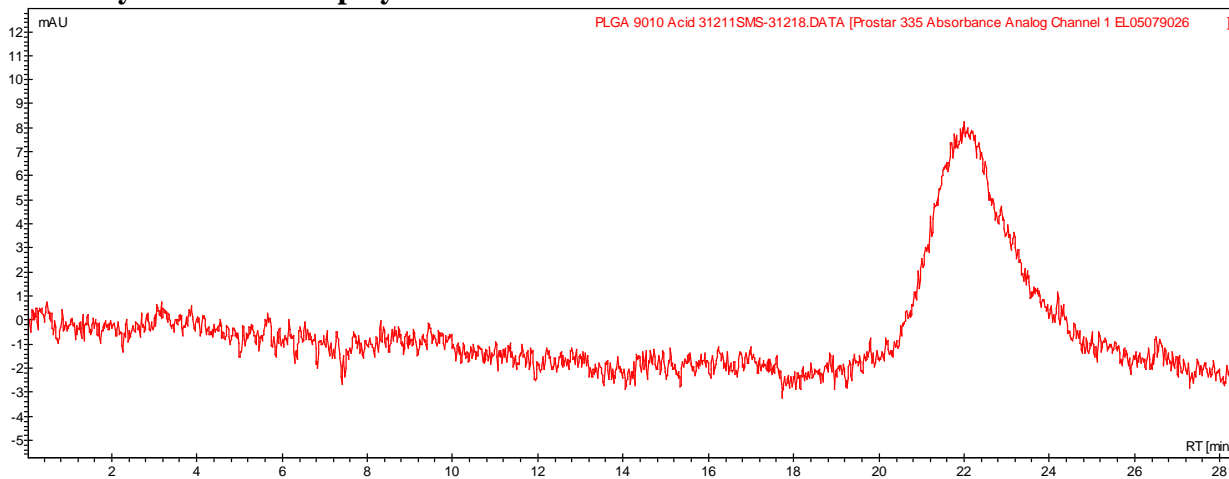
H-NMR Spectrum of PLGA copolymer in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
GA/LA = 10%/90%

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 5u columns and one PLGel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	21951	53054	2.42

- **Structure of PLGA copolymers**

