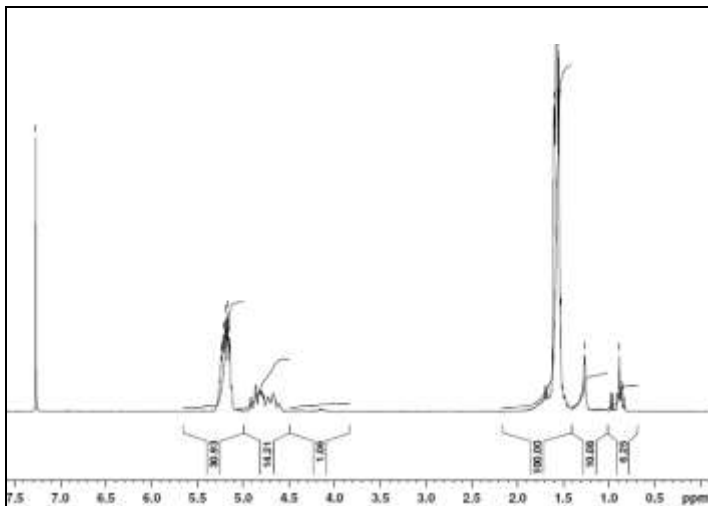


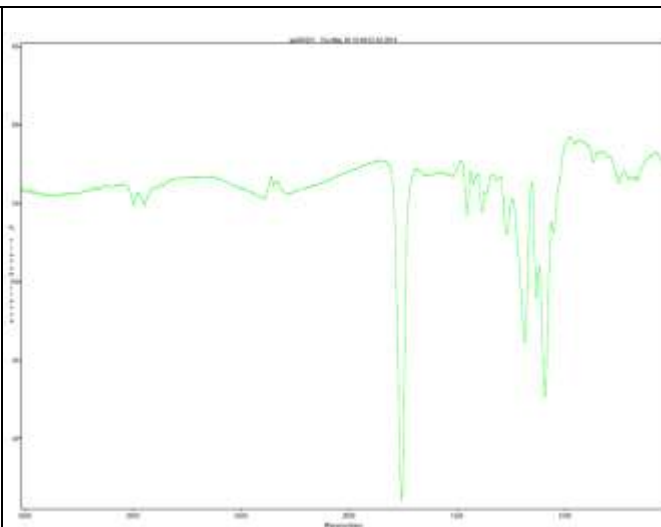
# No. AP030

# Certificate of Analysis

Product Name: Poly(lactic-co-glycolic) copolymers ester end capped (85:15 LA:GA)  
( $M_n$ : 10,000 -15,000 Da) (Lot#: 40521FCK) REV:A

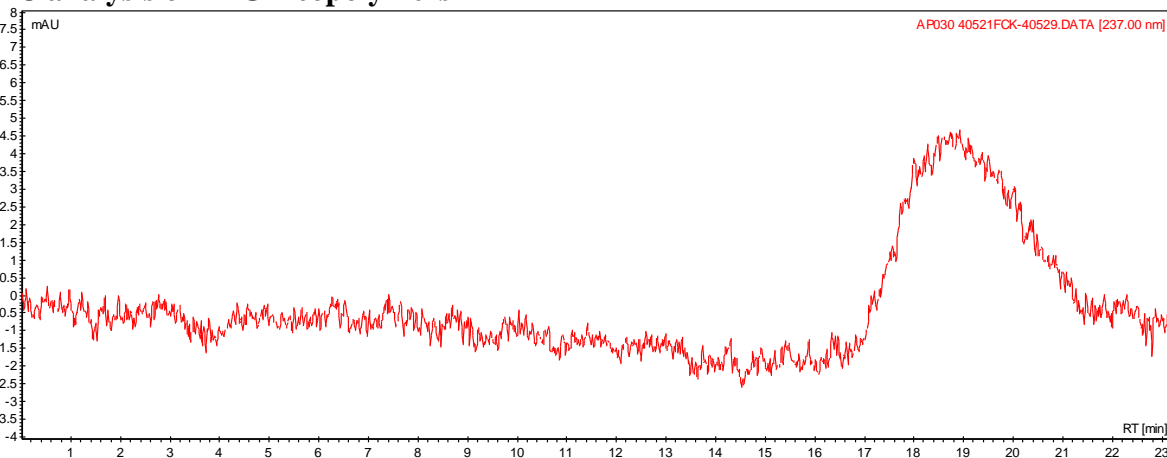


H-NMR Spectrum of PLGA copolymers in  $CDCl_3$  (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 19%/81% molar ratio (16%/84% w/w)



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 5 $\mu$ m columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	14,605	27,942	1.91

- **Structure of PLGA copolymers**

