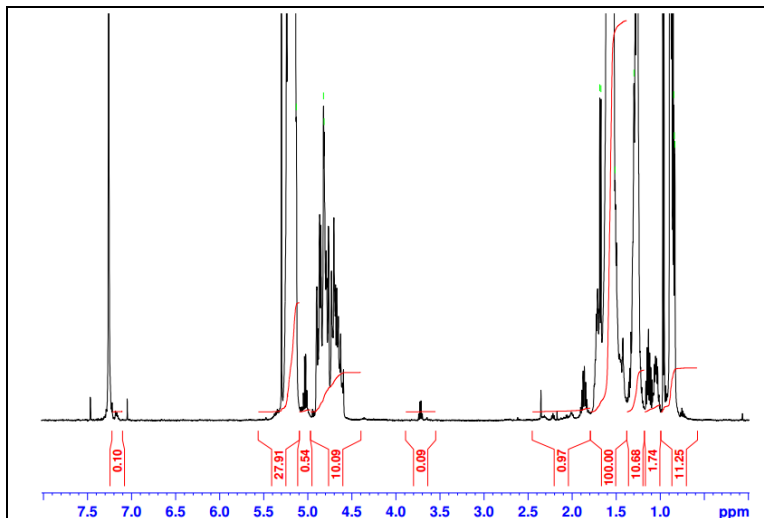


# No. AP075

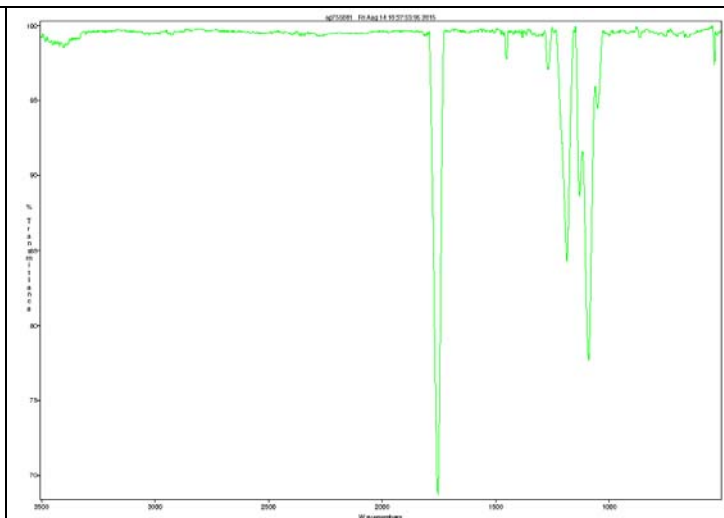
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid) Ester (85:15 LA:GA,  $M_n$ : 100,000-200,000 Da)  
(Lot#: 50811MJK)

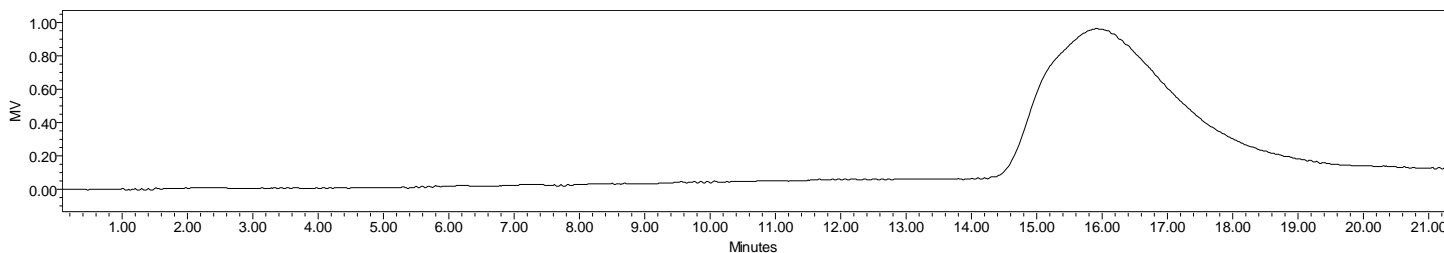


H-NMR Spectrum of PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: LA/GA = 85%/15% molar ratio (87%/13% w/w)



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

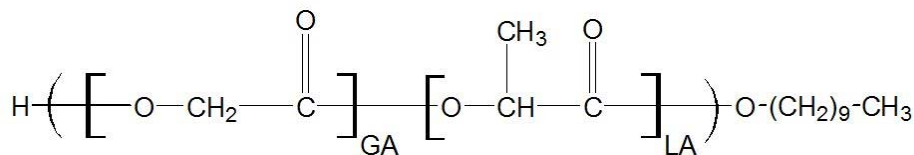
## • GPC analysis of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	122,718	159,482	1.30

## • Structure of PLGA copolymers



Material provided for research use only. Not for human use.