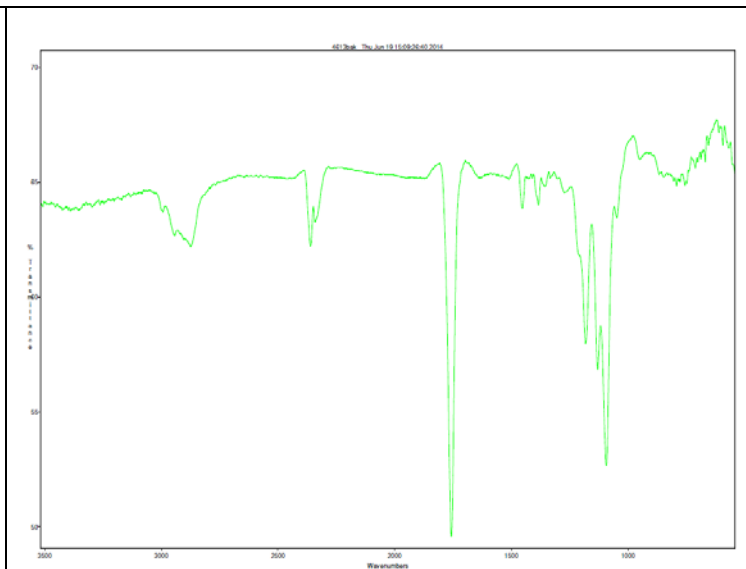
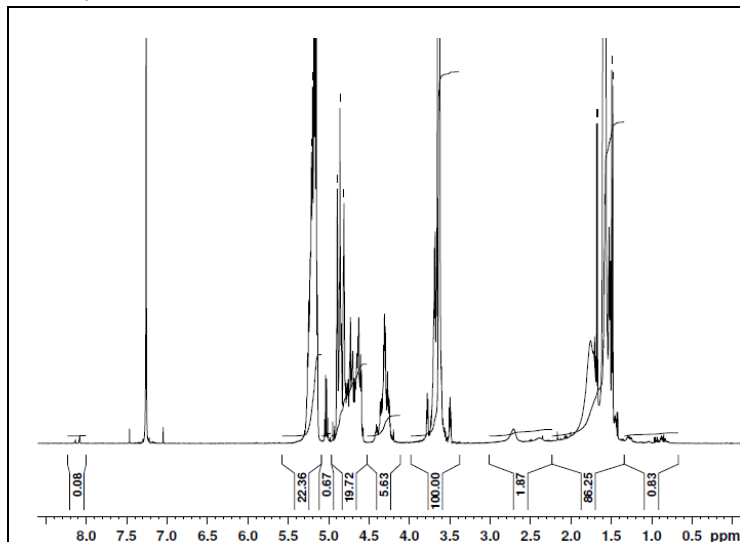


# No. AK89 Certificate of Analysis

Product Name: Poly(L-lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(L-lactic-co-glycolic acid) copolymers ( $M_n \sim 1600$ -1500-1600 Da, 3:1 LA:GA) (Lot# 40613BAK)

## H-NMR

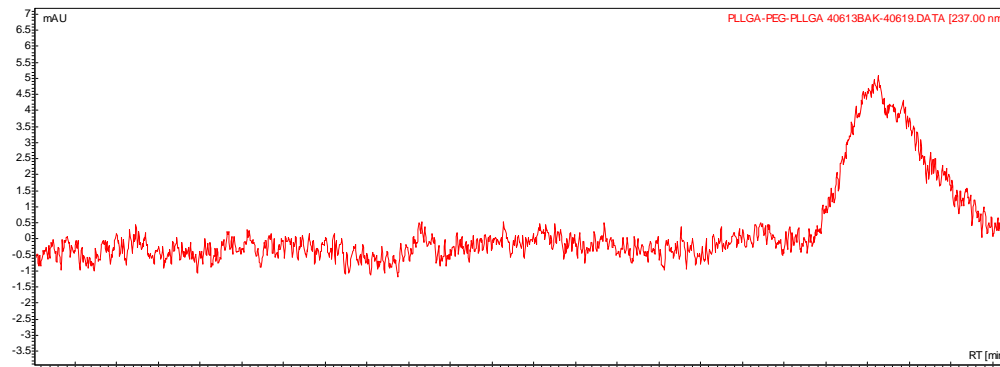
## FTIR



H-NMR Spectrum of PLLGA-PEG-PLLGA triblock copolymer in  $CDCl_3$  (Varian Inova 500 MHz instrument),  $M_n$  NMR of PLLGA-PEG-PLLGA triblock copolymers: EG-LA/GA:1498\*-2189/778 (EG-LA/GA residues: 34\*-30/13) (\*-data from MFG) (purity HNMR: 99%)

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

## • GPC

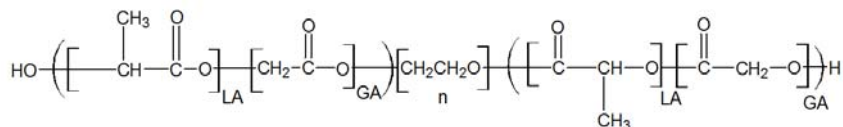


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel  $5\mu m$  columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (GPC)	$M_w$ (GPC)	PDI
PLLGA-PEG-PLLGA	6,124	9,065	1.48
PEG Precursor	$M_n - 1,485^*$		

\*-MFG data

## • Structure



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