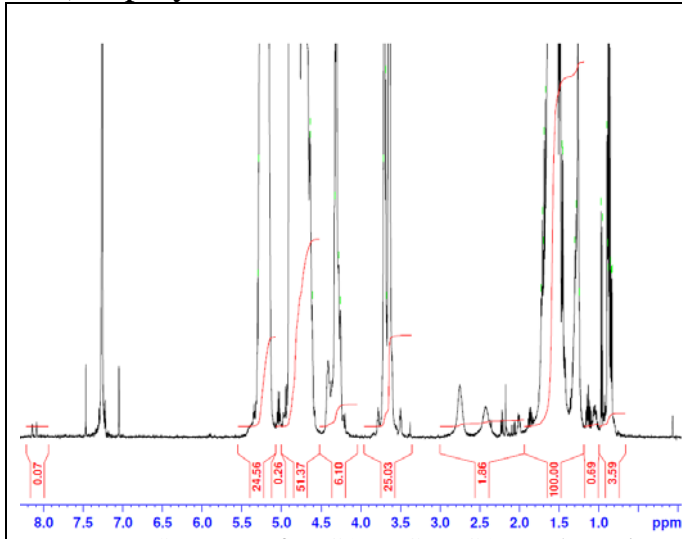
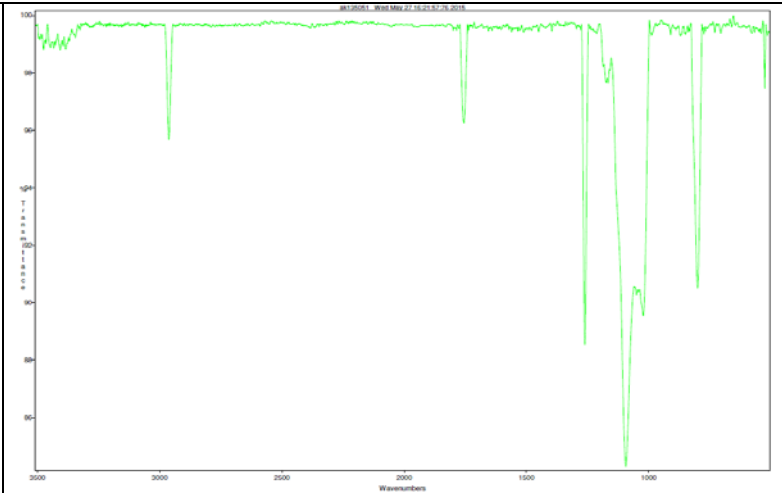


# No. AK013 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers,  $M_w$ : 2,000:400:2,000 Da, Lot# 50519AHT (REV:A NMR Data)

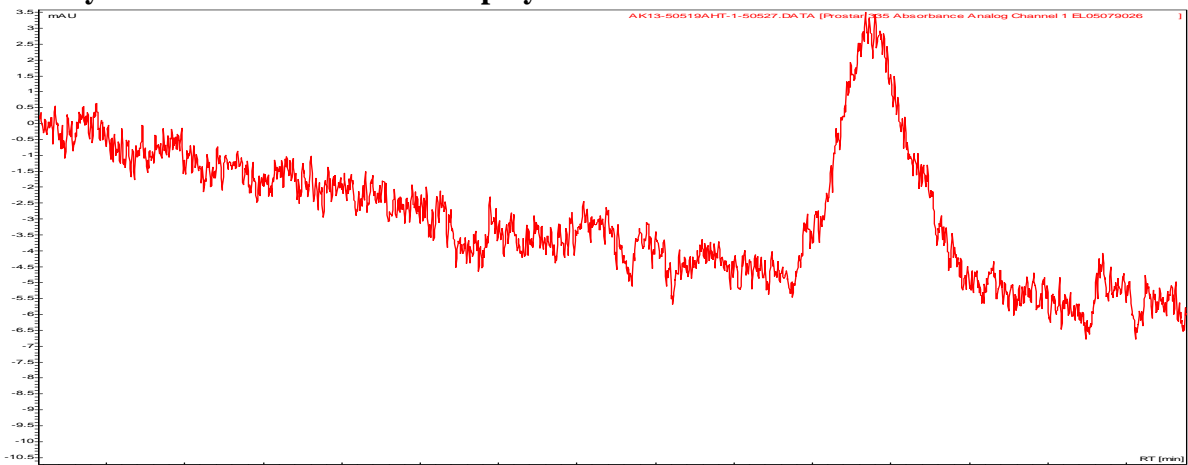


H-NMR Spectrum of PLGA-PEG-PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 300 MHz instrument),  $M_n$  NMR of PLGA copolymer repeat units: EG-LA/GA: 9\*-35/37,  $M_n$ : EG-LA/GA: 396\*-2,543/2,144 \*-MFG data.



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

## • GPC analysis of PLGA-PEG-PLGA copolymer

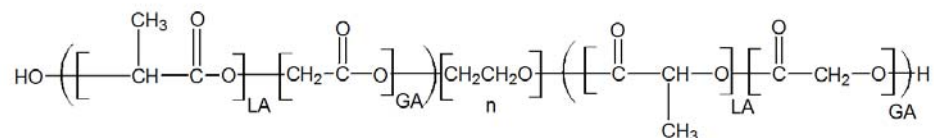


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two phenogel 5 $\mu$ m columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (GPC)	$M_w$ (GPC)	PDI
PLGA-PEG-PLGA	5845	9217	1.58
PEG Precursor*	325	350	1.08

\*-calibrated against PEG standards

## • Structure of PLGA-PEG-PLGA copolymer



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