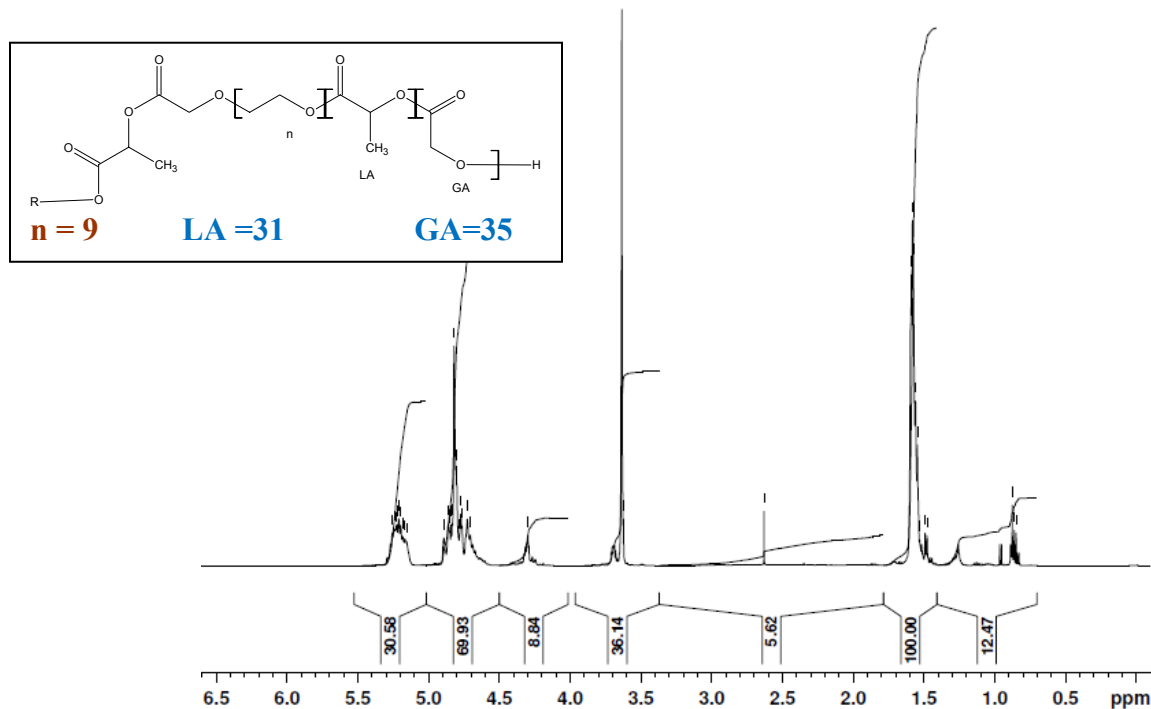


# No. 13

# Certificate of Analysis

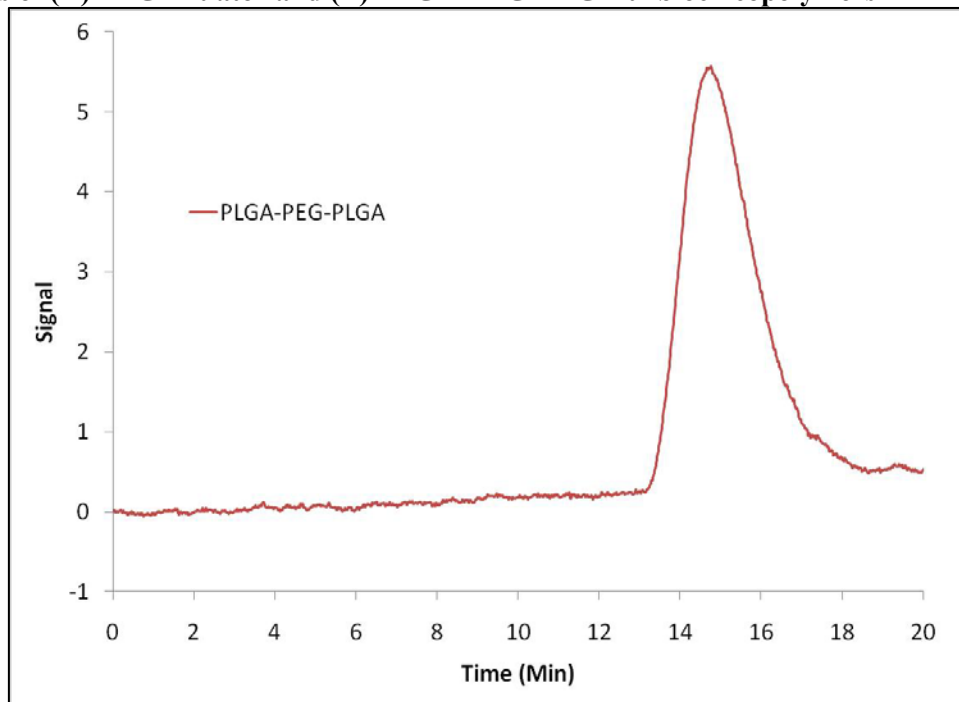
Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers

- <sup>1</sup>H-NMR Spectrum of PLGA-PEG-PLGA triblock copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz)



$M_n$ , NMR of PEG-PLA/PGA copolymers : 400-2218/2044

- GPC analysis of (A) PEG initiator and (B) PLGA-PEG-PLGA triblock copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Resipore 3 um columns (Varian) and PDA detector. Calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PEG(400) Initiator*	325	350	1.08
AK13	4084	7964	1.95

\*Agilent 1100 system with 1 ml/min THF flow across three PLgel 5 um MIXED-D and -E columns (Agilent) and RI detector. Graphical comparison not shown due to different system.