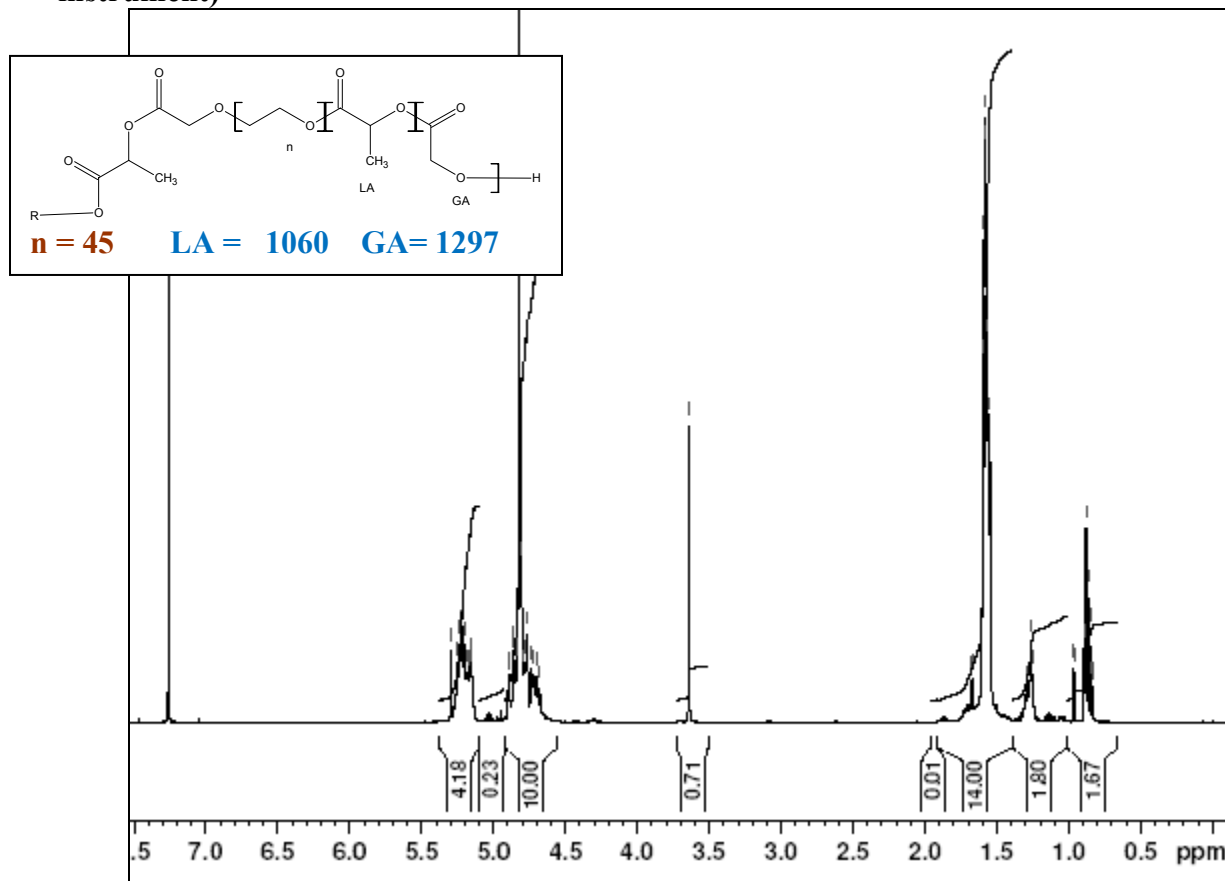


# No. 20

# Certificate of Analysis

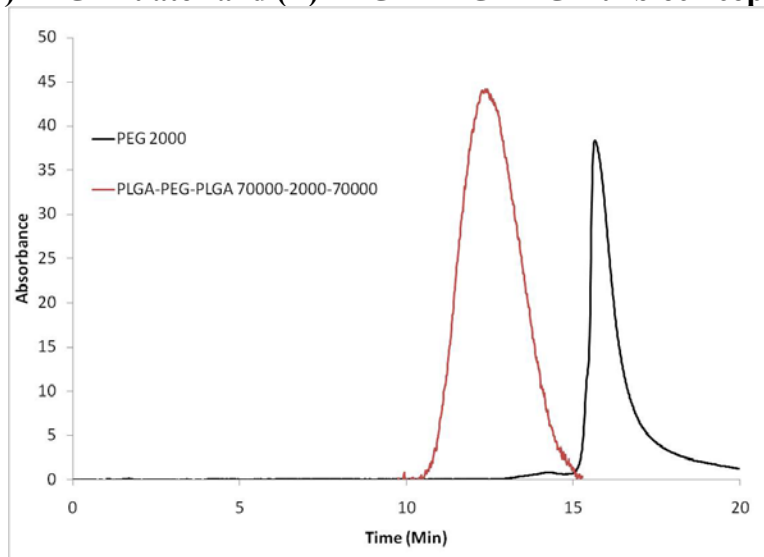
Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers

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



$M_n$ , NMR of PEG-PLA/PGA copolymers : 2000-76300/75264

- 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	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PEG(2000) Initiator	1579	2788	1.77
AK20	44,901	137,245	3.06