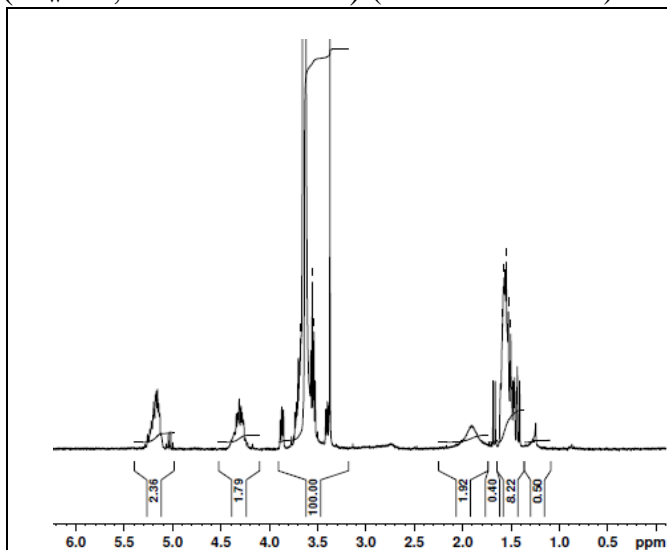
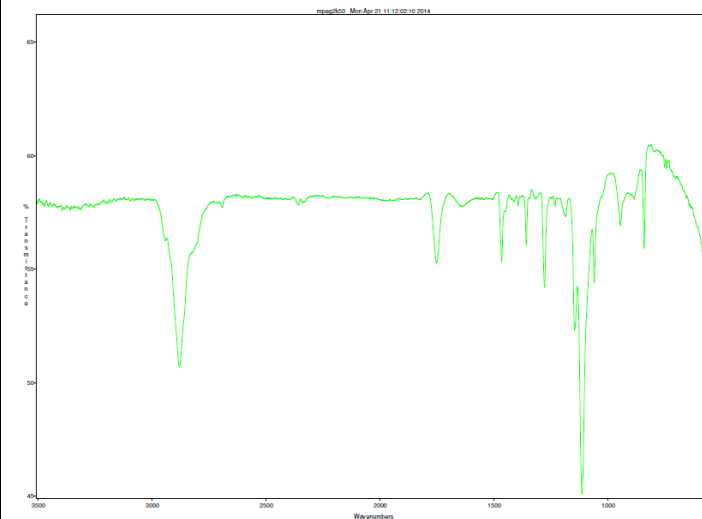


# No. AK80 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly((D,L) lactic acid) copolymers  
( $M_w \sim 2,000$  Da:500 Da) (Lot#: 40414SMS)

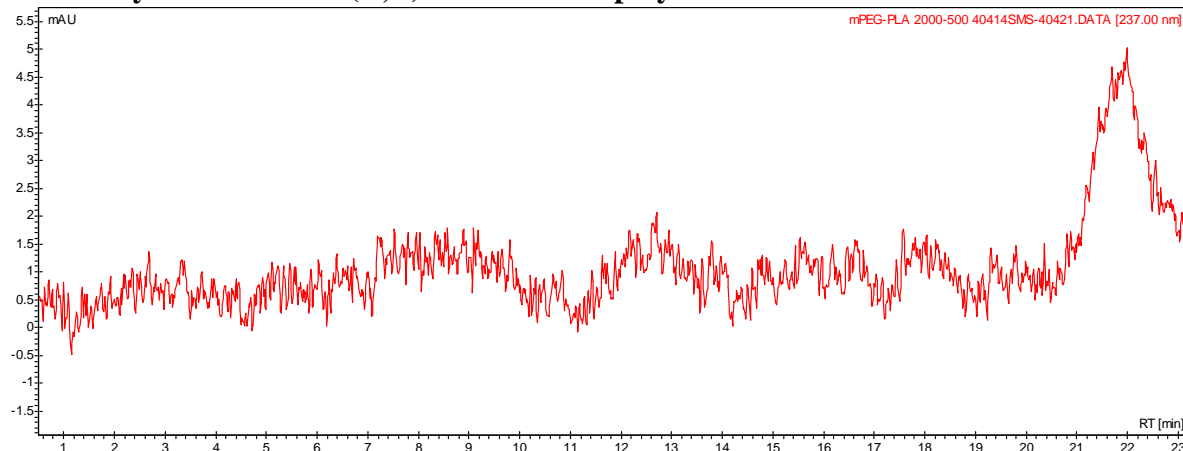


H-NMR Spectrum of mPEG-P(D,L)LA copolymers in CDCl<sub>3</sub>  
(Varian Inova 300 MHz instrument), NMR of mPEG-P(D,L)LA repeat units: EG-LA = 51-5 ( $M_n$ -HNMR 2247-347)



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

## • GPC analysis of mPEG-P(D,L)LA diblock copolymers

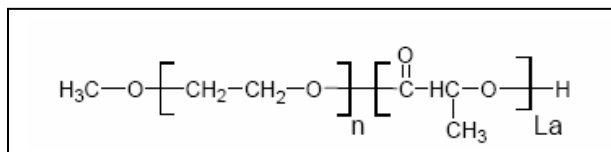


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two phenogel 5 $\mu$ m columns and one resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
mPEG-P(D,L)LA	2,772	3,387	1.22
mPEG precursor*	2,298	2,637	1.15

\*-data not shown on graph

## • Structure of mPEG-P(D,L)LA diblock copolymers



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