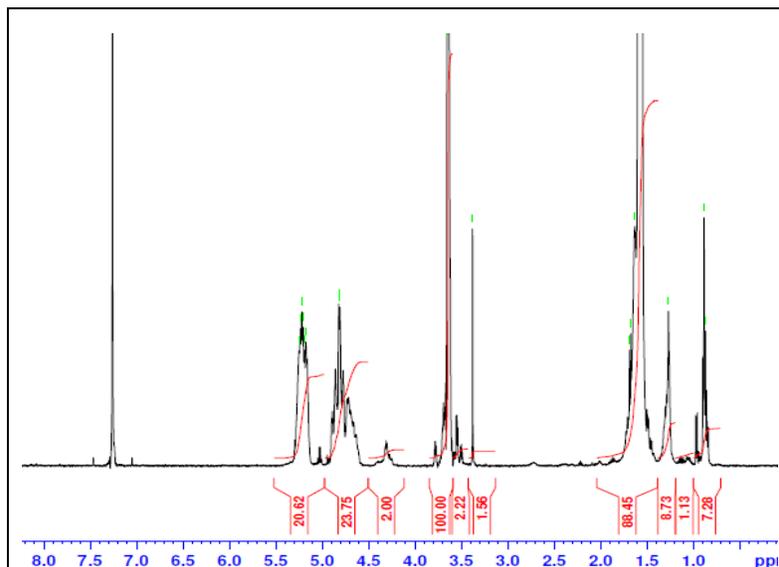


# No. AK002

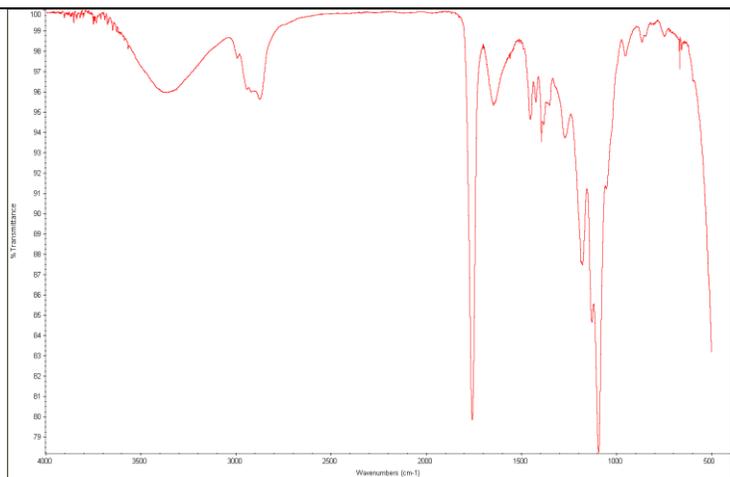
# Certificate of Analysis



Product Name: Methoxy Poly(ethylene glycol)-b-Poly(lactide-co-glycolide) (60:40 LA:GA),  
M<sub>w</sub>: 2,000-4,000 Da) (Lot#: 170622NAE-A)

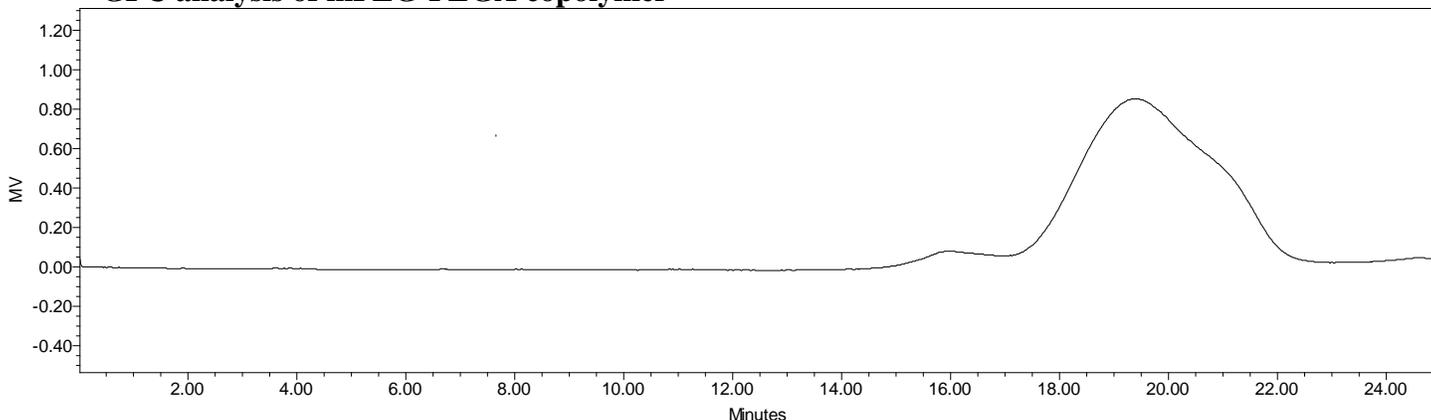


H-NMR Spectrum of mPEG-PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA copolymer, NMR of mPEG-PLGA repeat units: EG-LA/GA = 48-40/23 (M<sub>n</sub> = 2115-2851/1323)



FTIR Analysis: Collected from cast-film on salt-plate placed in Protégé 460 Spectrometer (Nicolet) and analyzed in transmission E.S.P. mode.

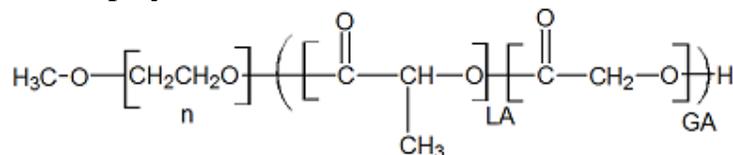
## • GPC analysis of mPEG-PLGA copolymer



Analysis Method: Waters Breeze system with 1 ml/min THF flow across three GPC columns. Detection via refractory index, calibrated against polystyrene standards (\*PEG standards).

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
mPEG-PLGA	6999	9838	1.41

## • Structure of mPEG-PLGA copolymer



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