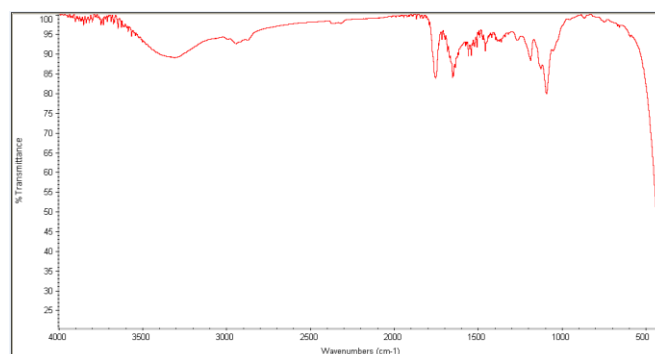
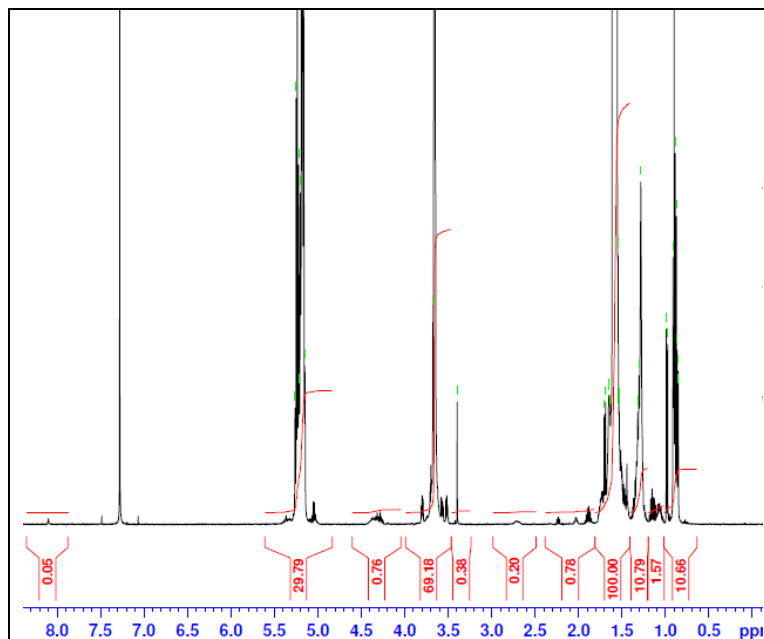


No. AK049

Certificate of Analysis

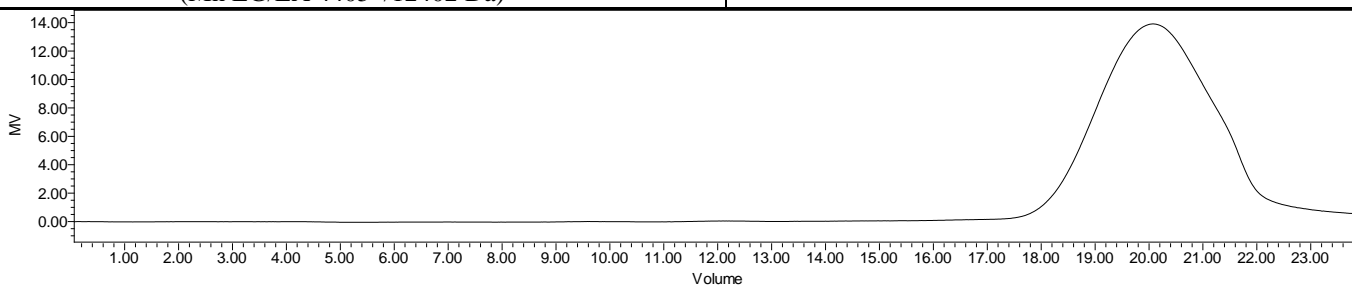


Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(D,L-lactic acid) diblock copolymers ($M_w \sim 5,000:14,000$ Da) (Lot#: 191113RAI-B)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.

H-NMR Spectrum of copolymers in $CDCl_3$ (Bruker ≥ 300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG/LA = 4405*/172 (Mn EG/LA 4405*/12402 Da)



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG	19,623	26,451	1.35
PEG precursor*	4421*		

*- from MFG data

• Structure of mPEG-P(DL)LA copolymers

