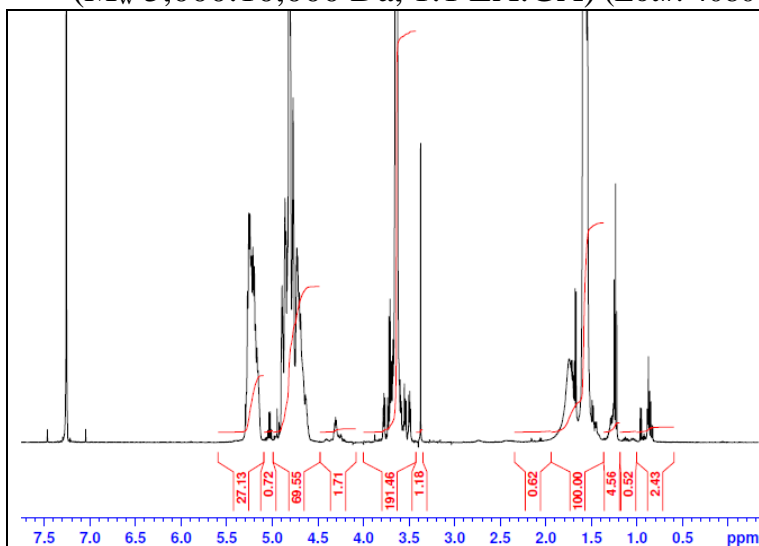


No. AK10

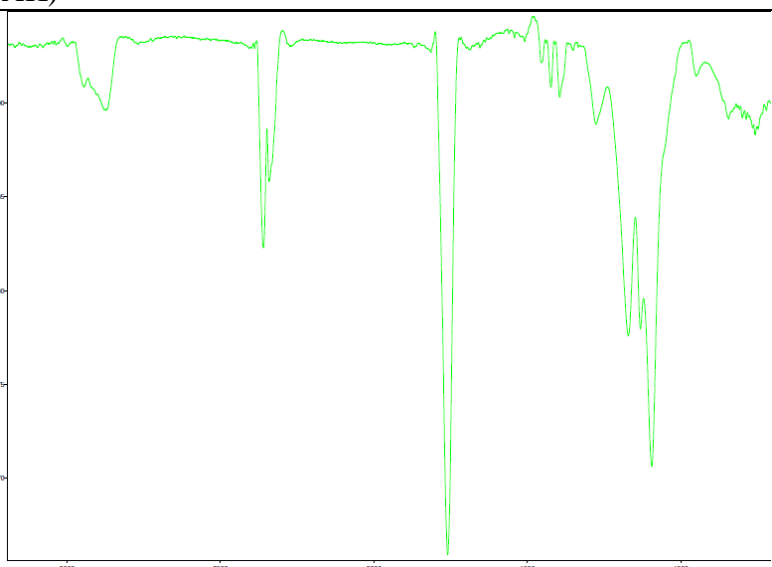
Certificate of Analysis



Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(D,L-lactic-co-glycolic) acid copolymer
(M_w 5,000:10,000 Da, 1:1 LA:GA) (Lot#: 40806BAK)

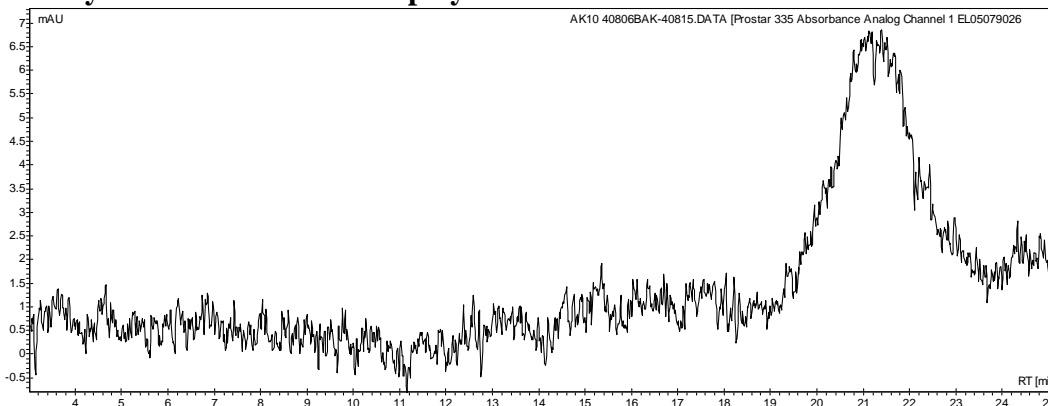


H-NMR Spectrum of mPEG-PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units: EG-LA/GA = 122-69/88 M_N = 5,361-4,966/5,131 LA/GA ratio = 49%/51%



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-PLGA copolymers

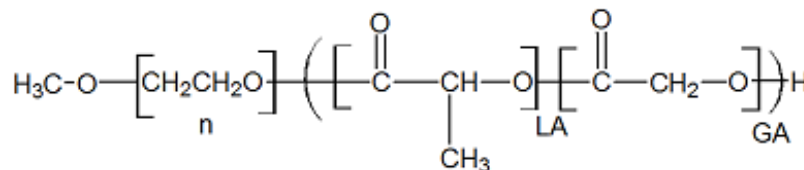


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5µm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLGA	9642	14357	1.49
mPEG5000 initiator*	5488	5847	1.06

*calibrated against PEG standards

• Structure of mPEG-PLGA copolymers



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