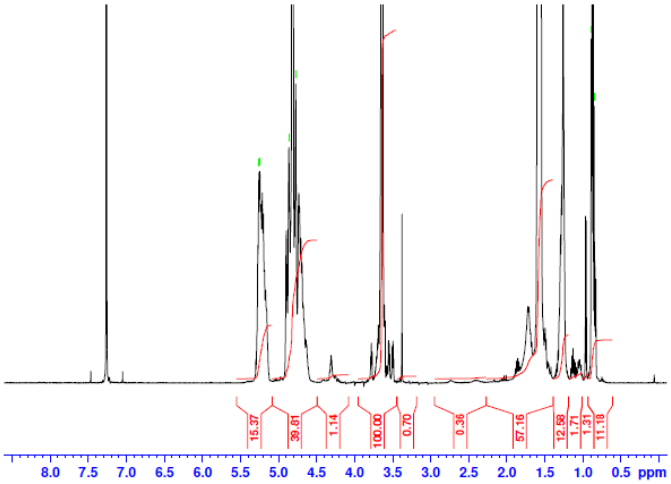
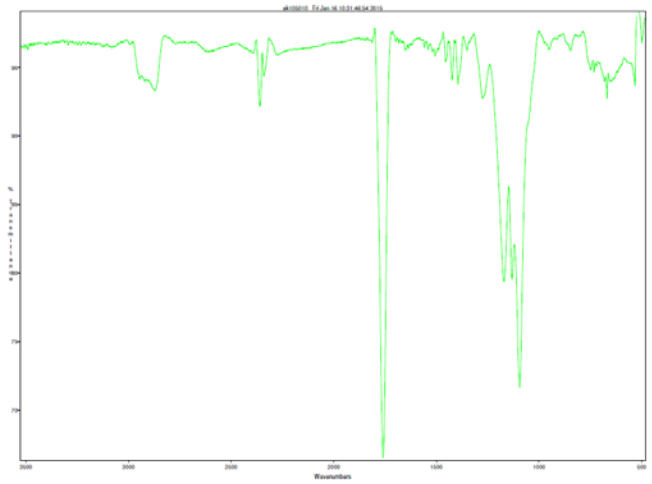
No. AK10 Certificate of Analysis

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#: 50106MLS-RPD)

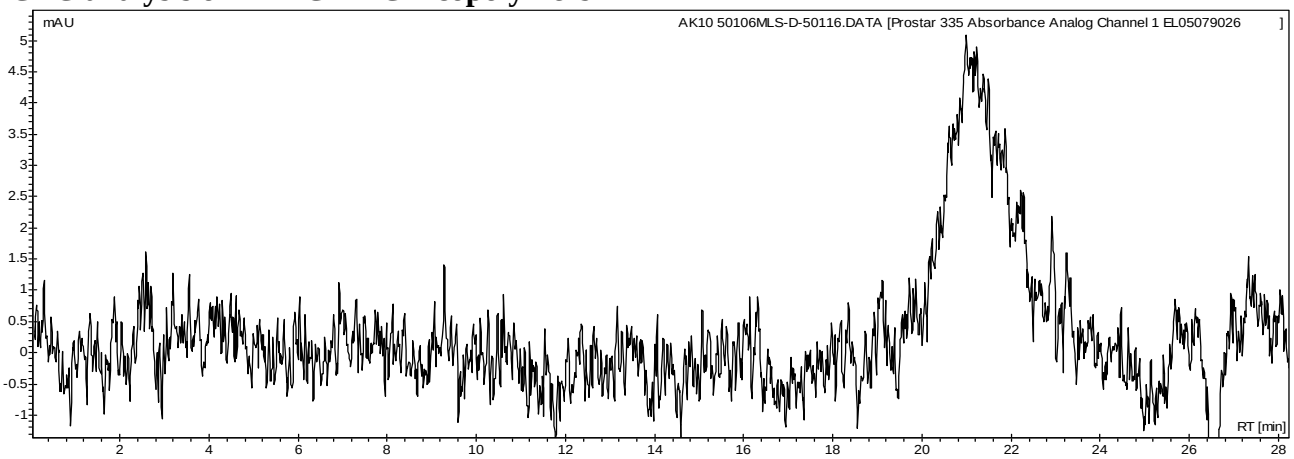


H-NMR Spectrum of mPEG-PLGA copolymer in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units: EG-LA/GA = 124-76/99 M_N = 5,463*-5,489/5,730, LA/GA ratio = 49%/51% *-based on GPC



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

- **GPC analysis of mPEG-PLGA copolymers**

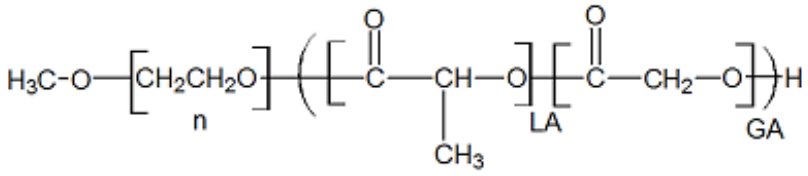


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5 µm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLGA	9821	16,288	1.66
mPEG5000 initiator*	5,488	5,847	1.06

*calibrated against PEG standards

- **Structure of mPEG-PLGA copolymers**



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