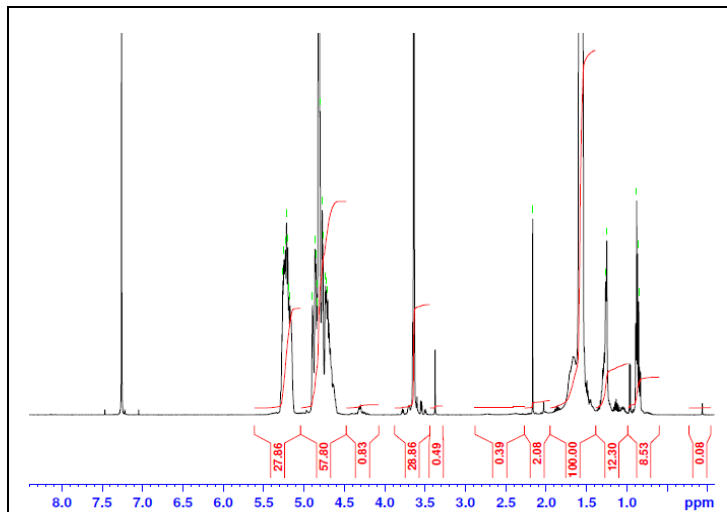
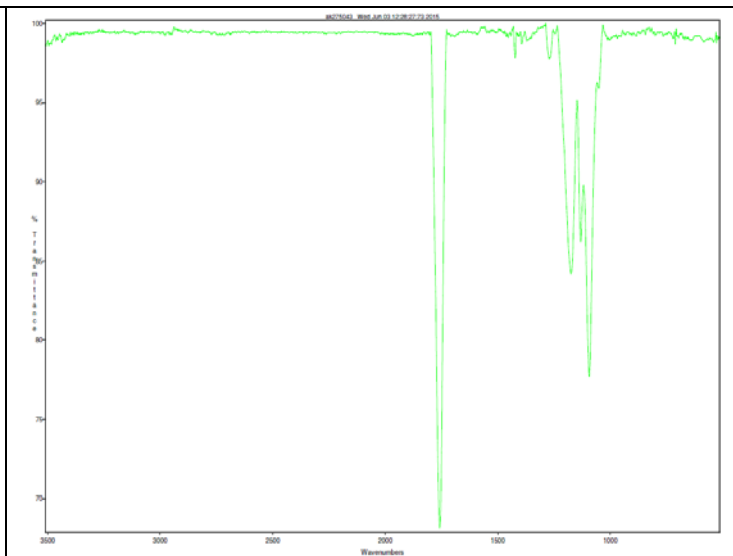


No. AK104 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide)
 (M_w ~2,000:20,000 Da, 1:1 LA:GA) (Lot#: 50430BAK-D)

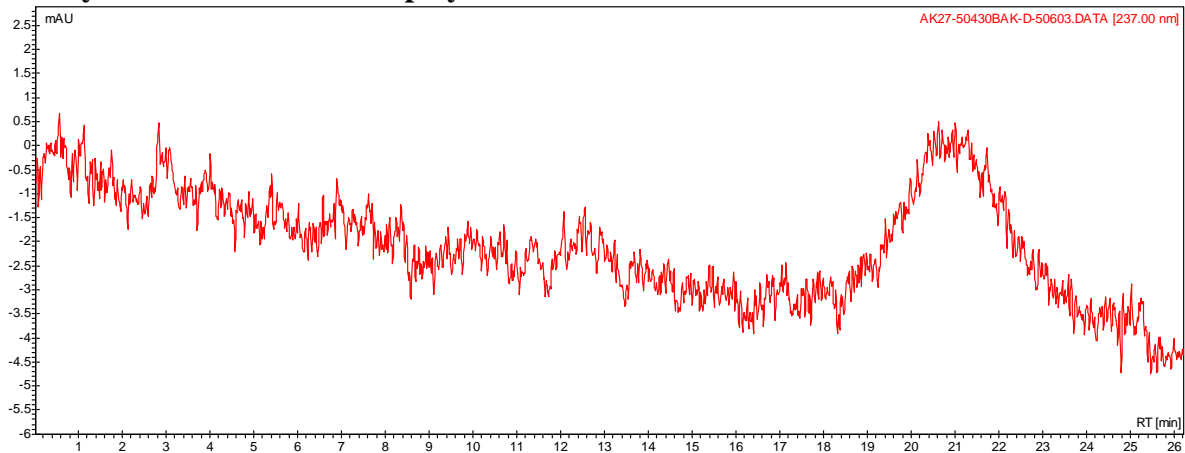


¹H-NMR Spectrum of mPEG-PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units:
 EG-LA/GA = 46*-178/184 M_N = 2,026*-12,789/10,694
 LA/GA ratio: 54%/46%



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**

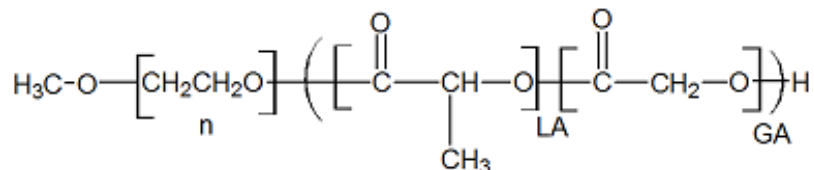


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5µm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
mPEG-PLGA	11,065	23,911	2.16
mPEG2000 initiator*	2,468	2,511	1.02

*calibrated against PEG standards

- Structure of mPEG-PLGA copolymers**



Material provided for research use only. Not for human use.