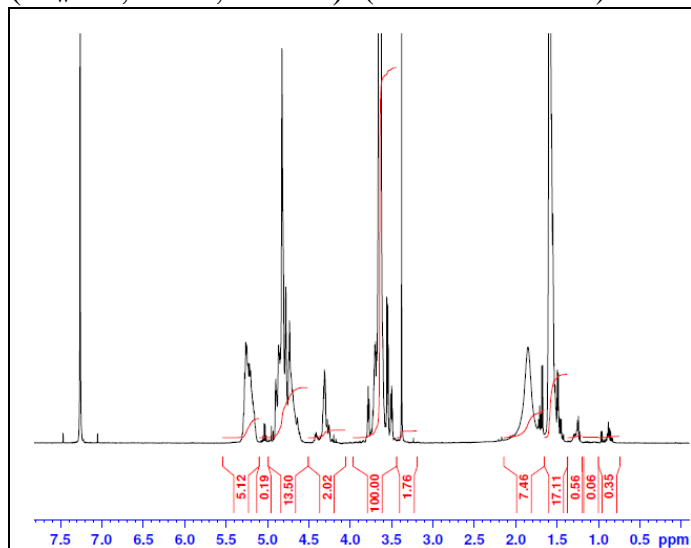


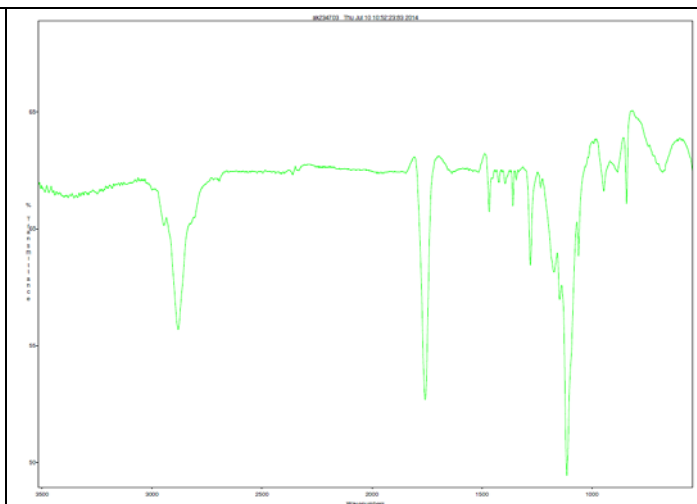
No. AK23 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide)

($M_w \sim 2,000$; 1,500 Da) (Lot#: 40703SMS)

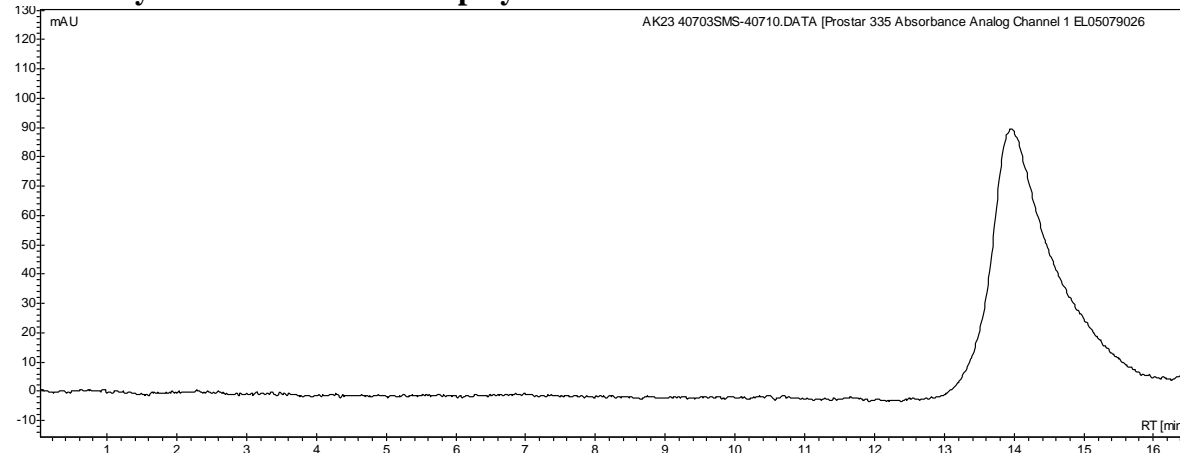


$^1\text{H-NMR}$ Spectrum of mPEG-PLGA copolymer in CDCl_3
(Varian Inova 500 MHz instrument),
NMR of mPEG-PLGA repeat units: EG-LA/GA = 45-9/12
(M_n EG-LA/GA = 1982-664/705)



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**

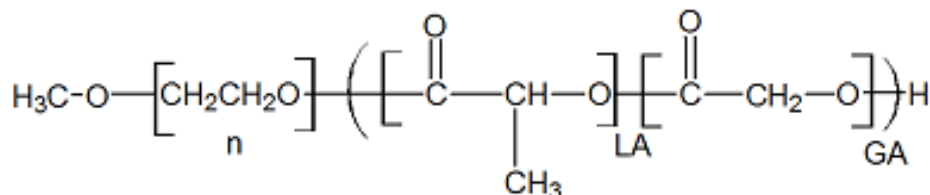


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel $5\mu\text{m}$ columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
mPEG-PLGA	4,580	7,154	1.56
mPEG 2000 initiator*	2,298	2,637	1.15

*-calibrated against PEG standards

- Structure of mPEG-PLGA copolymers**



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