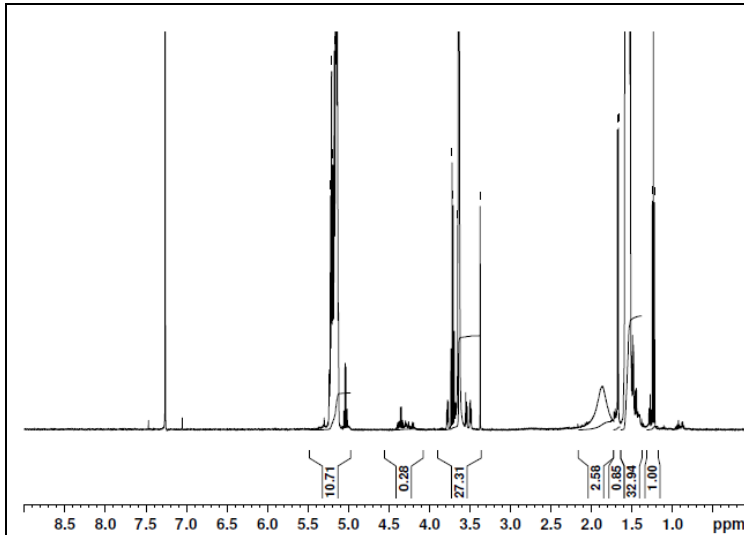


No. AK49

Certificate of Analysis

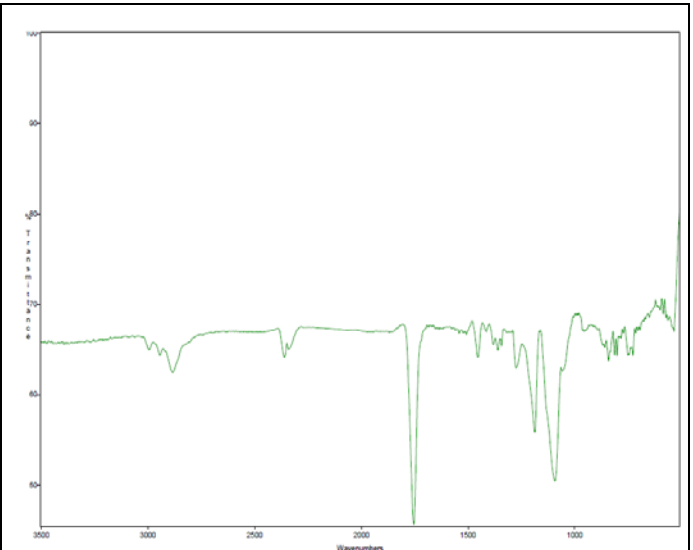
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(D,L-lactic acid) diblock copolymers
($M_w \sim 5,000:14,000$ Da) (Lot#: 40709SMS)

H-NMR



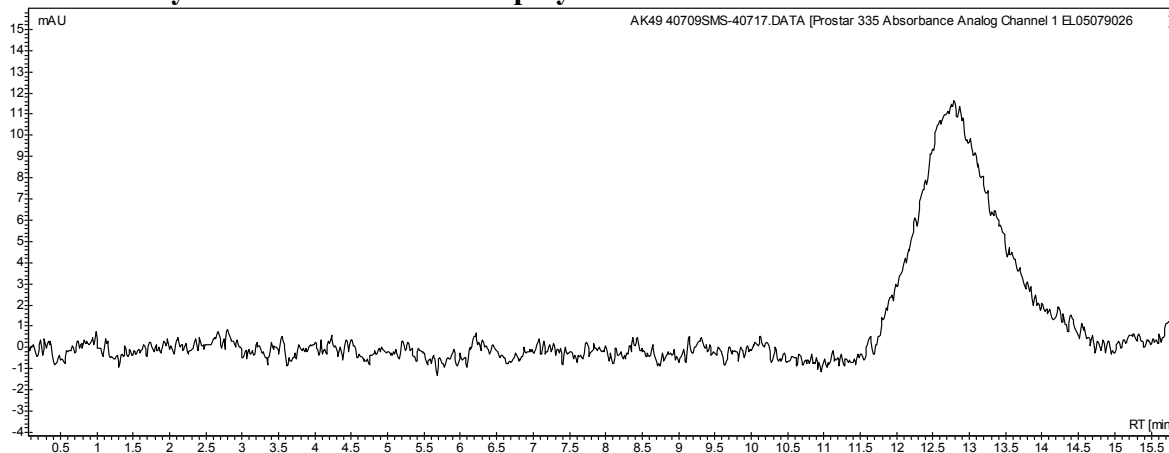
H-NMR Spectrum of mPEG-PDLLA copolymers in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of mPEG-PDLLA repeat units: EG-LA = 124^*-195 ($M_n = 5,463^*-14,005$ Da)

FTIR



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-PDLLA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across across two Phenogel $5\mu m$ 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-PDLLA	16,540	30,226	1.83
mPEG precursor*	5,488	5,847	1.07

*-run separately, data not shown

• Structure of mPEG-P(DL)LA copolymers

