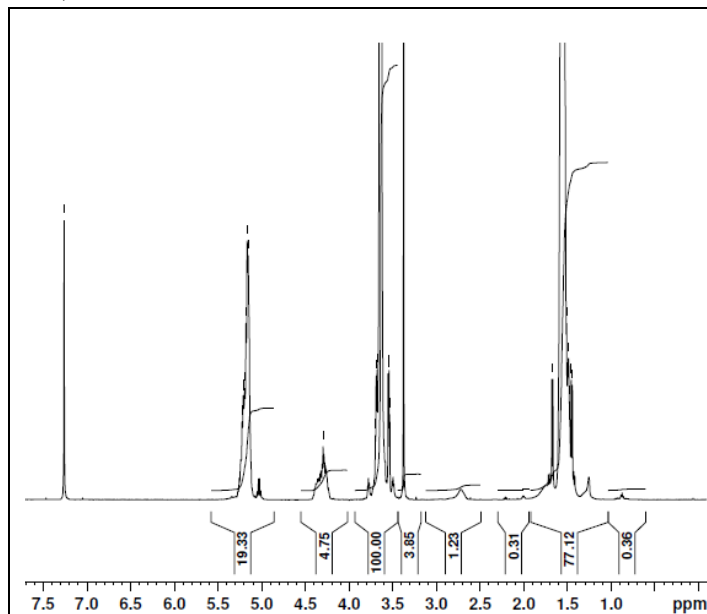


No. AK70 Certificate of Analysis

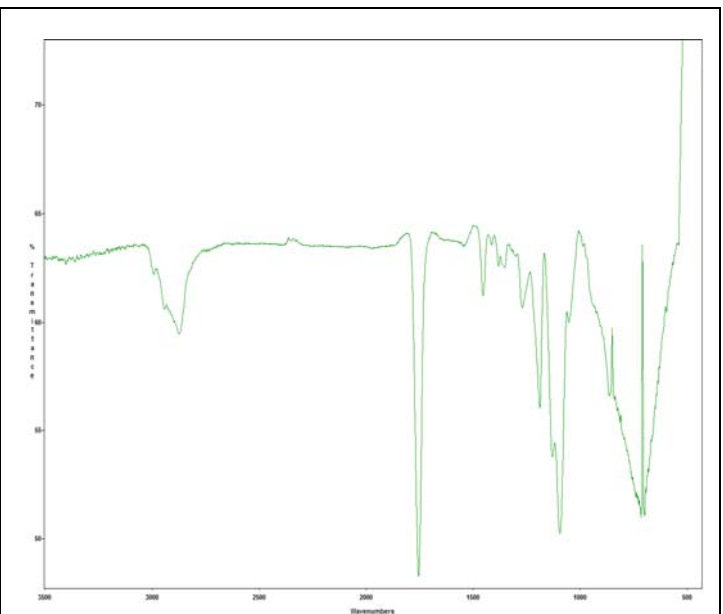
Product Name: Methoxy Poly(ethylene glycol)-b-Poly((D,L) lactic acid) copolymers
(MW ~750:1,000 Da) (Lot#: 31217SMS)

H-NMR



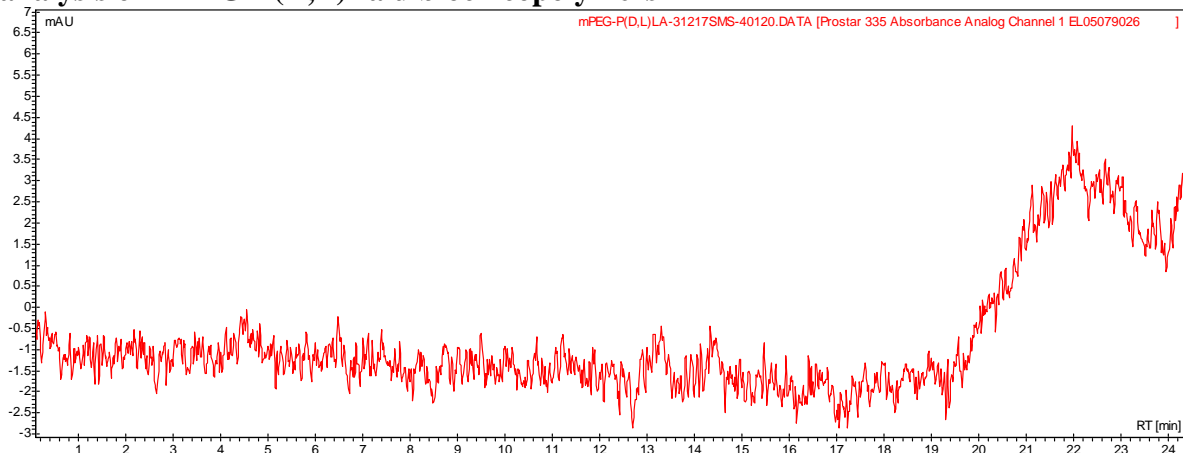
H-NMR Spectrum of mPEG-P(D,L)LA copolymers in CDCl₃ (Varian Inova 300 MHz instrument), NMR of mPEG-P(D,L)LA repeat units: EG-LA = 17*-13 (M_n HNMR-749*-946) (*data from MFG)

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-P(D,L)La diblock copolymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across four phenogel 5u columns (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
mPEG-P(D,L)La	1624	2648	1.63
mPEG initiator*	863	1000	1.16

* - data not shown on graph

- Structure of mPEG-P(D,L)La diblock copolymers**

