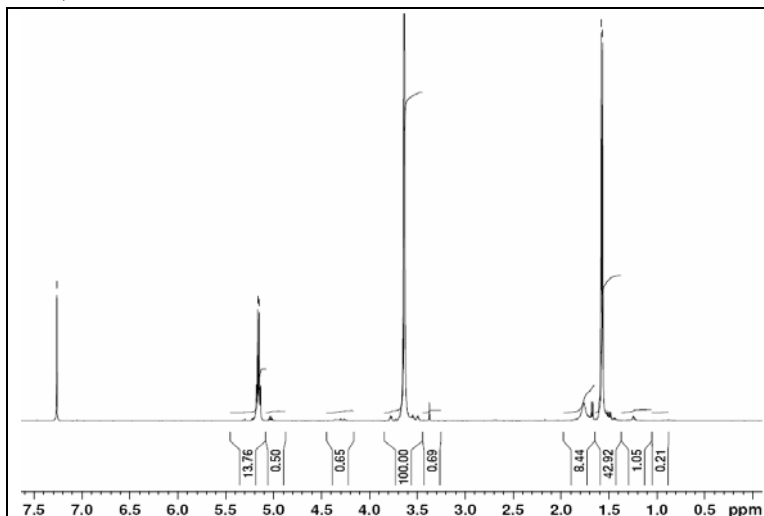


No. AK07

Certificate of Analysis

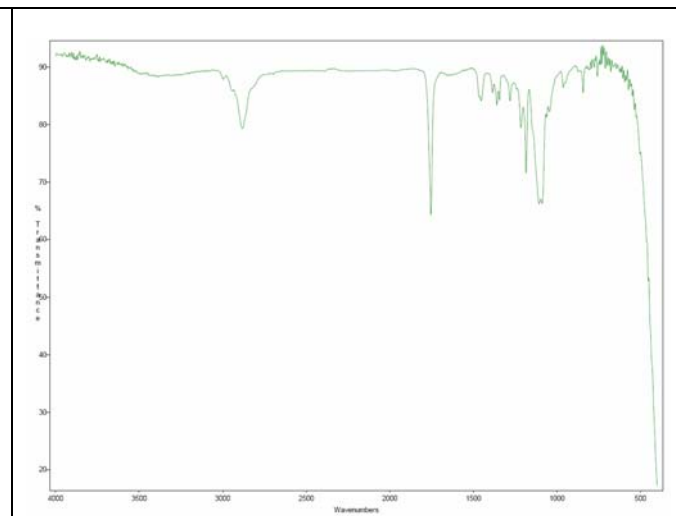
Product Name: Methoxy Poly(ethylene glycol)-b-Poly(L-lactide) (5,000:4,900 Da) (Lot#: 30429JLB)

H-NMR



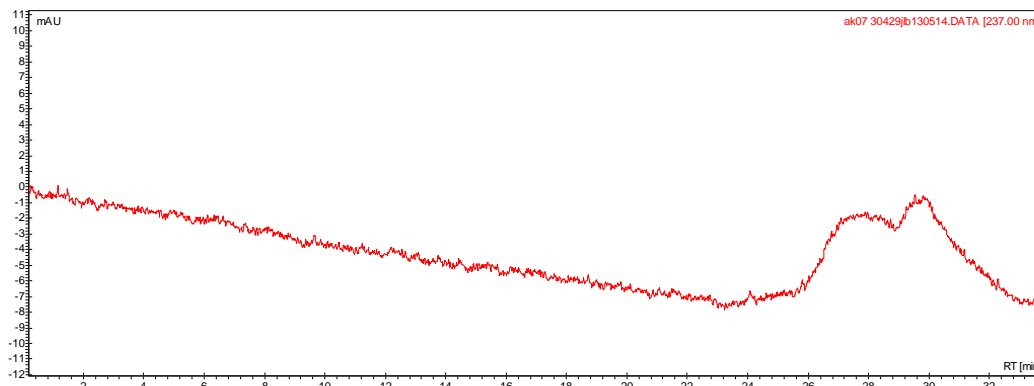
H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLLA copolymer, NMR of mPEG-PLLA repeat units: EG-LA = 109-60 (Mn: EG/LA 4802/4320)

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-PLLA copolymer**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLLA	9414	15831	1.68
mPEG precursor*	5488	5847	1.07

- **Structure of mPEG-PLLA copolymer**

