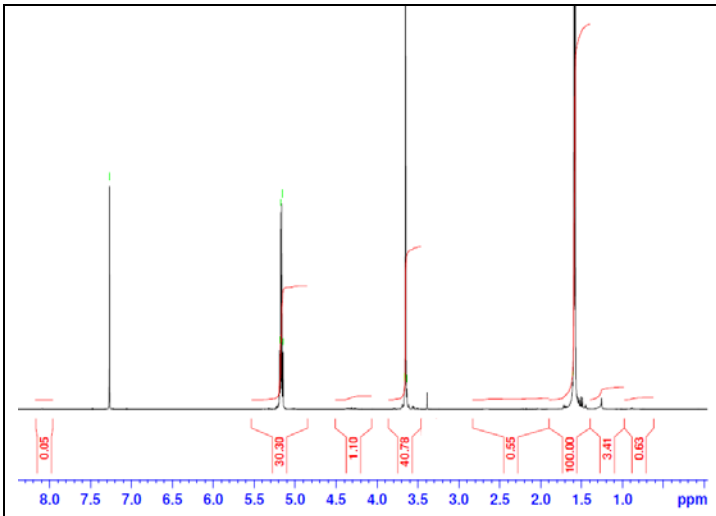
No. AK005 Certificate of Analysis

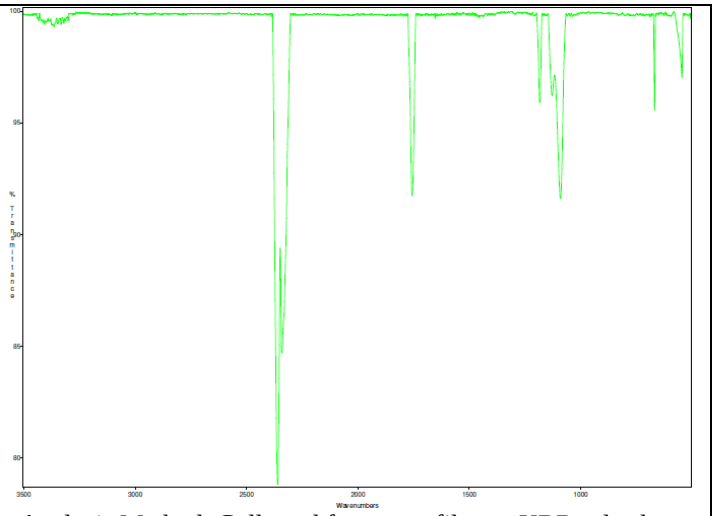
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly((L)lactide) diblock copolymers (2,000:10,000Da) (Lot#: 60315ELH-A)

H-NMR



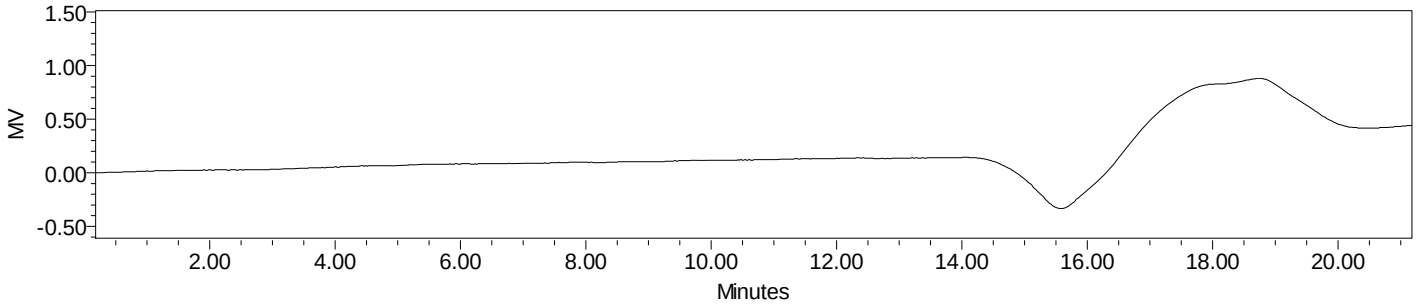
H-NMR Spectrum of mPEG-P(L)LA copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of mPEG-PLLA repeat units: EG-LA = 45-134 (M_n 1,982*-9629 Da)

FTIR



Analysis Method: Collected from cast-film on KBR salt-plate Placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- **GPC analysis of mPEG-P(L)LA copolymers**

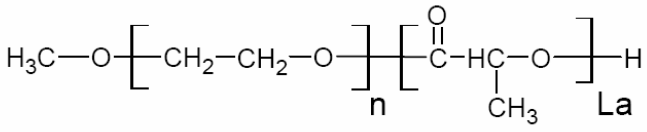


Analysis Method: Waters 2 system with 1 ml/min DCM flow across two Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against poly(ethylene glycol) standards

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
mPEG-P(L)LA	9652	21,535	2.23
mPEG initiator	1951*		

*-Data provided by manufacturer

- **Structure of mPEG-P(L)LA copolymers**



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