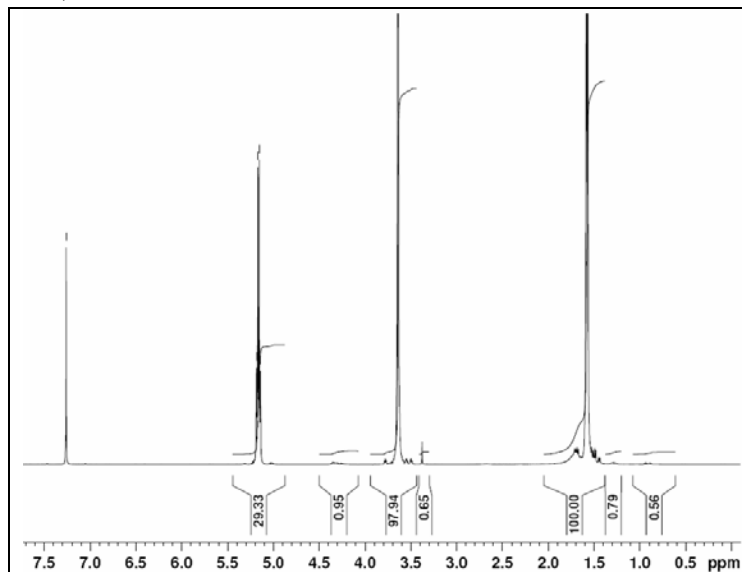


No. AK58 Certificate of Analysis

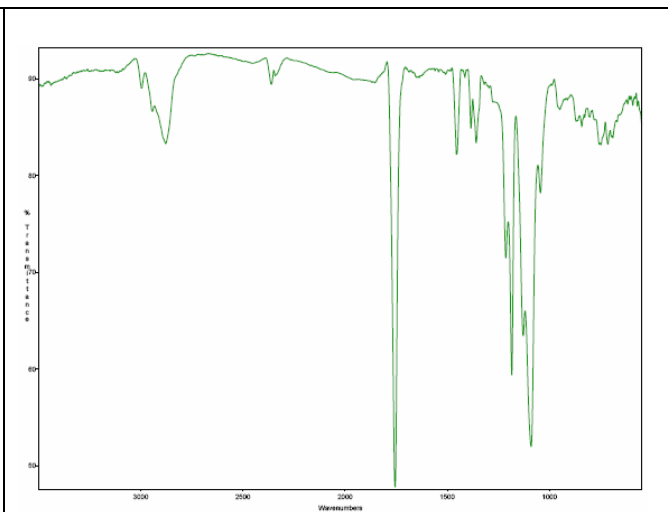
Product Name: Methoxy Poly(ethylene glycol)-b-Poly((L)Lactic acid) diblock polymers
(5,000:10,000 Da) (Lot#: 30621JSG)

H-NMR



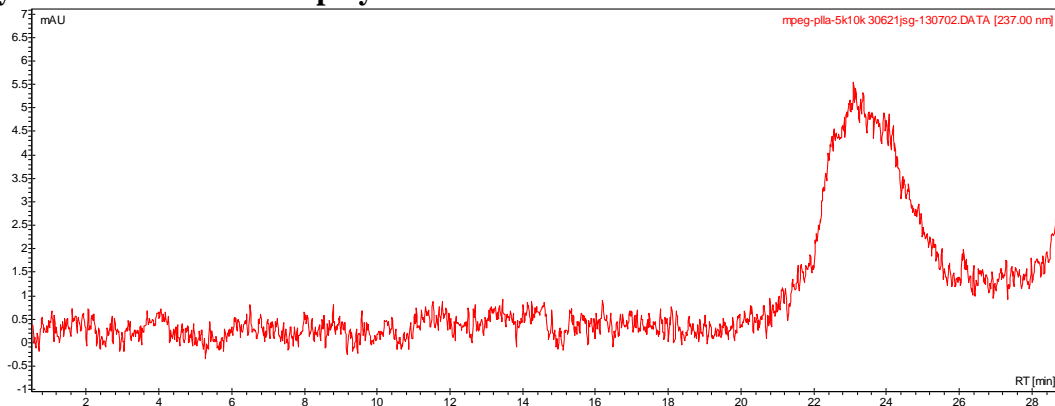
H-NMR Spectrum of mPEG-PLLA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLLA copolymers:
EG/LA = 113/136 (Mn- 4978/9747Da)

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 copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLLA	17547	23864	1.36

- **Structure of mPEG-PLLA copolymers**

