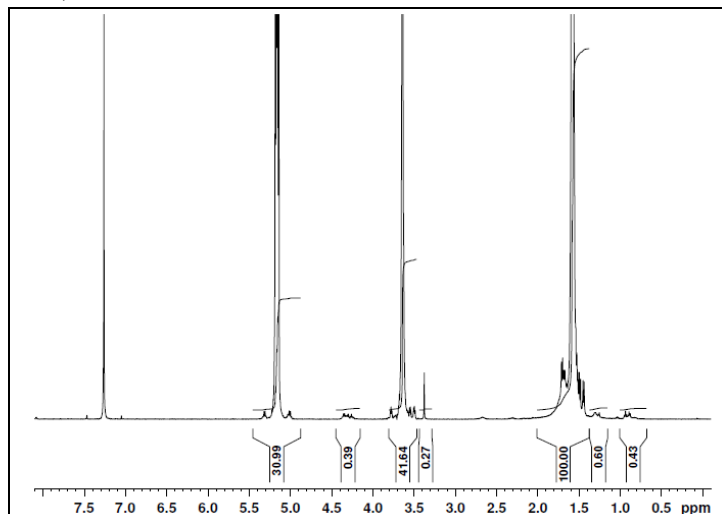


No. AK57

Certificate of Analysis

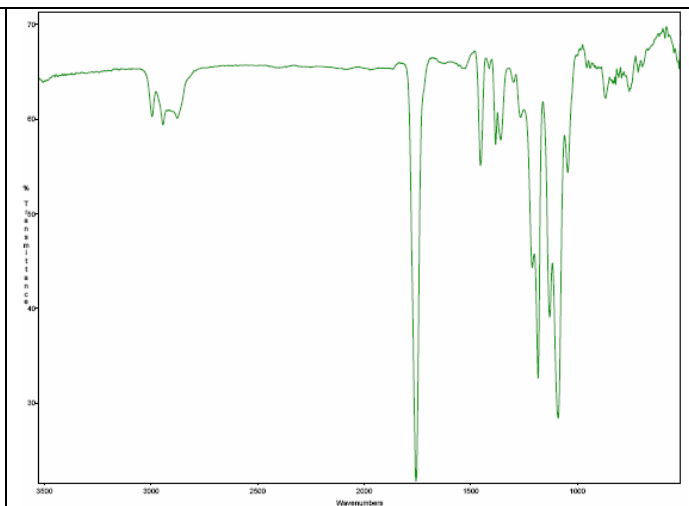
Product Name: Methoxy Poly(ethylene glycol)-b-Poly((L)Lactic acid) diblock polymers (MW~5,000:20,000 Da) (Lot#: 30621JSG)

H-NMR



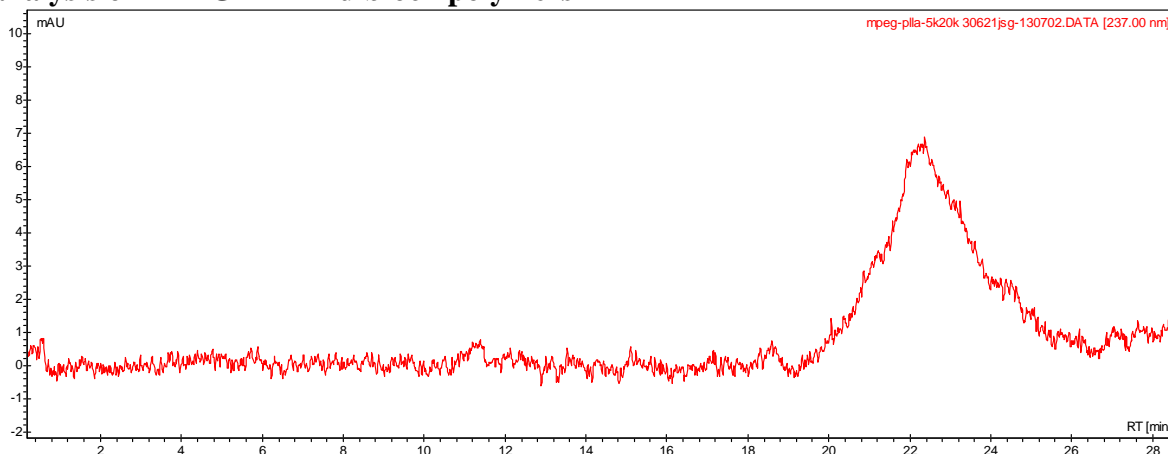
H-NMR Spectrum of mPEG-PLLA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLLA copolymers:
EG/LA = 114*/339 (Mn-*5022-24435Da)

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 diblock polymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across three 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	25549	46517	1.82
mPEG* 5000	5488	5847	1.07

* - measured separately, data not shown

- **Structure of mPEG-PLLA copolymers**

