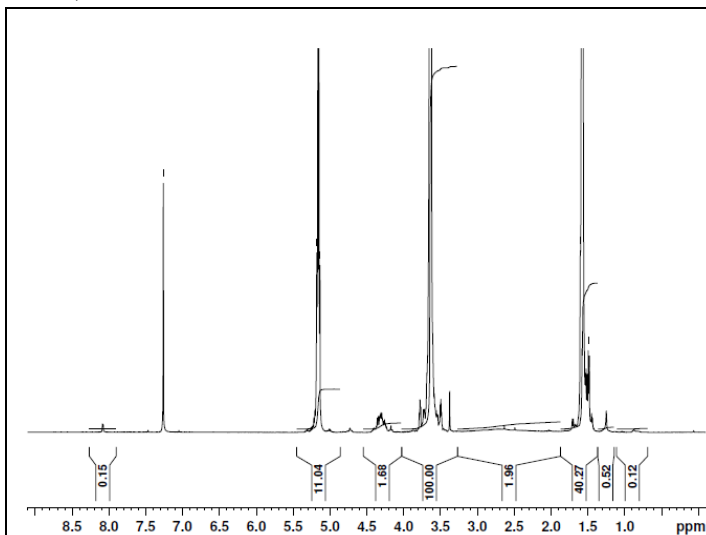


# No. AK65

# Certificate of Analysis

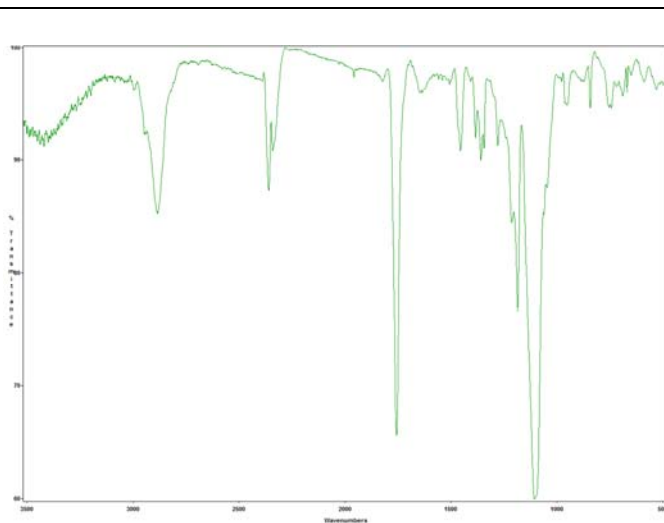
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly((L)lactide) diblock copolymers (10,000:10,000Da) (Lot#: 31121JSG)

## H-NMR



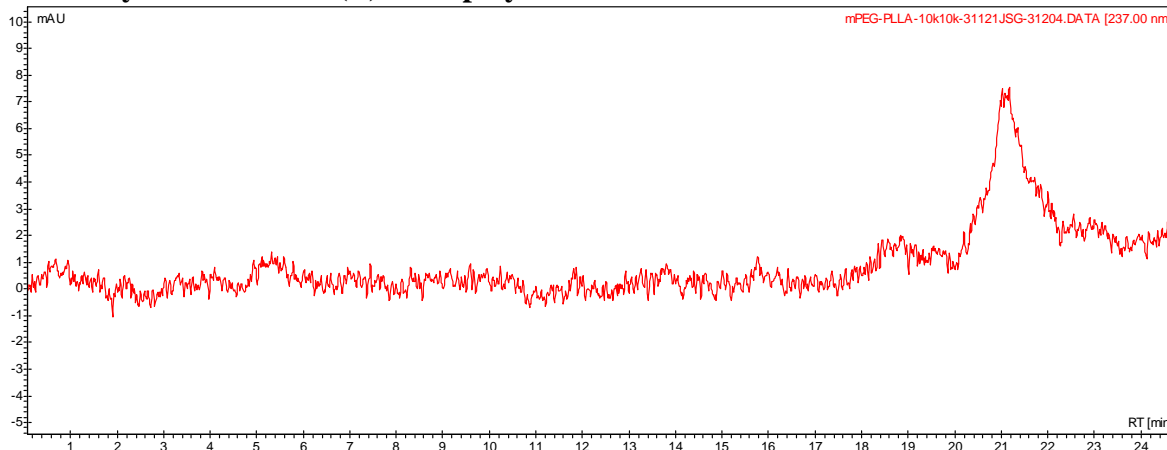
H-NMR Spectrum of mPEG-P(L)LA copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-PLLA repeat units: EG-LA = 227-100 (M<sub>n</sub> HNMR 10,000-7218Da)

## 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: 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 poly(ethylene glycol) standards

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
mPEG-P(L)LA	18116	22286	1.23
mPEG initiator	10426	10707	1.03

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

