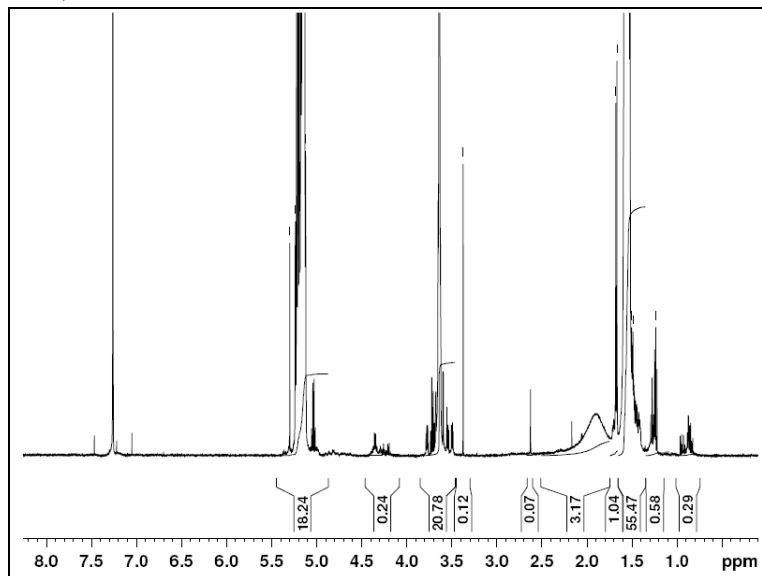


# No. AK31

# Certificate of Analysis

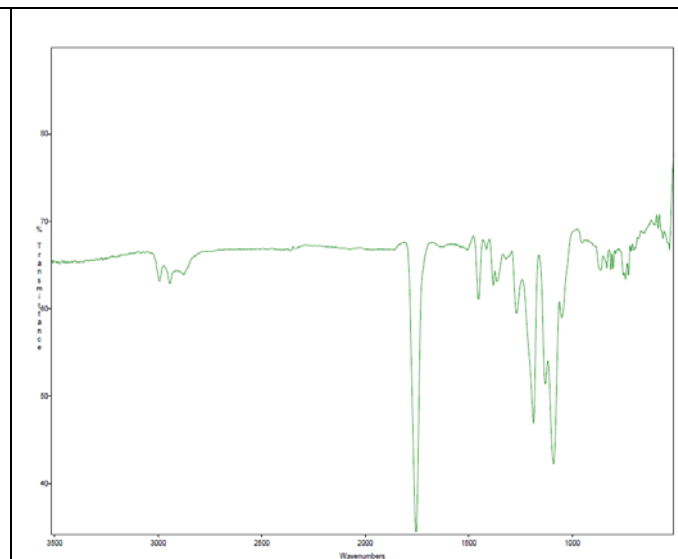
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly((D,L)lactic acid) diblock copolymers (5,000:35,000Da) (Lot#: 30708JLB)

## H-NMR



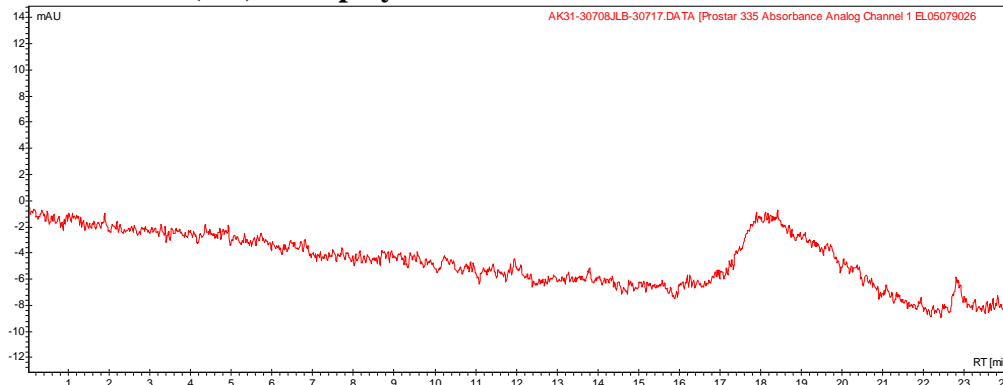
H-NMR Spectrum of mPEG-P(DL)LA copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-PDLLA repeat units: EG-LA = 130-456 (Mn HNMR: 5722-32832Da)

## 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(DL)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 polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-P(DL)LA	35808	65506	1.83
mPEG (5000) precursor	5488	5847	1.07

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

