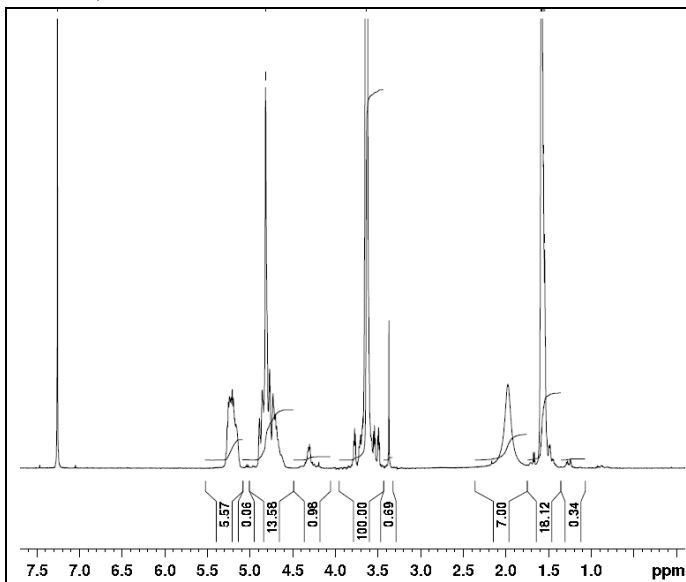


# No. AK30 Certificate of Analysis

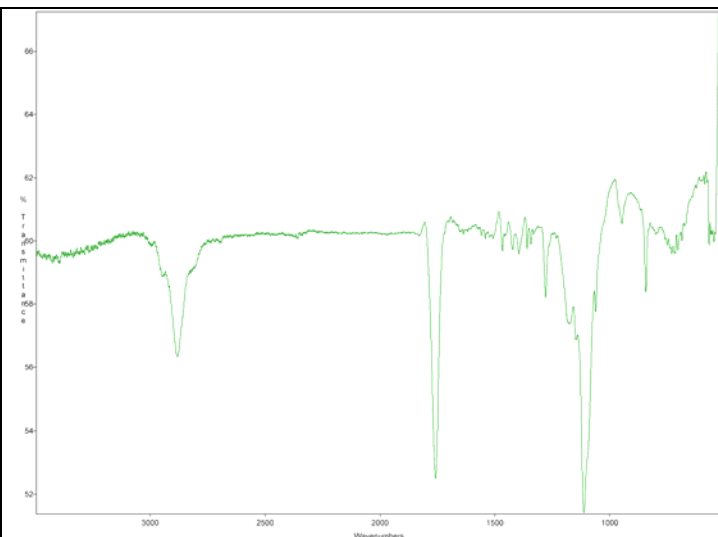
Product Name: Methoxy-Poly(ethylene glycol)-Poly(lactide-co-glycolide) (5,000-4,000 Da)  
(Lot#: 30822JSG)

## HNMR



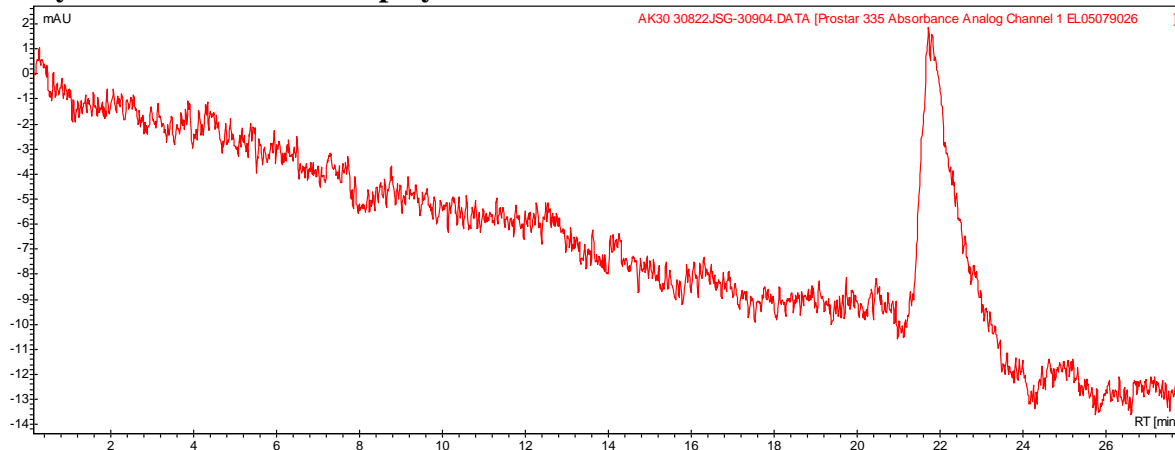
H-NMR Spectrum of mPEG-PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units: EG-LA/GA = 109-24/30 (Mn 4788-1762/1713)

## FTIR



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

- **GPC analysis of mPEG-PLGA copolymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across three PLgel mixed-D columns (Agilent). Detection via UV/Vis, calibrated against polystyrene standards (\*PEG standards).

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLGA	8069	9777	1.21
mPEG5000 initiator*	4525	4669	1.03

- **Structure of mPEG-PLGA copolymers**

