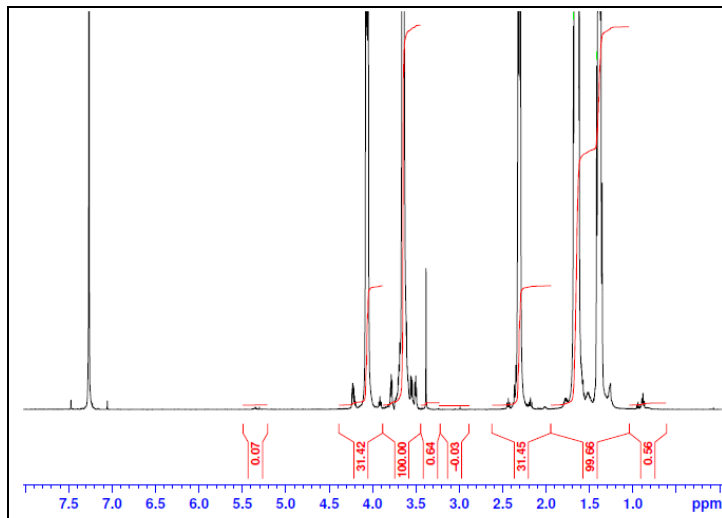
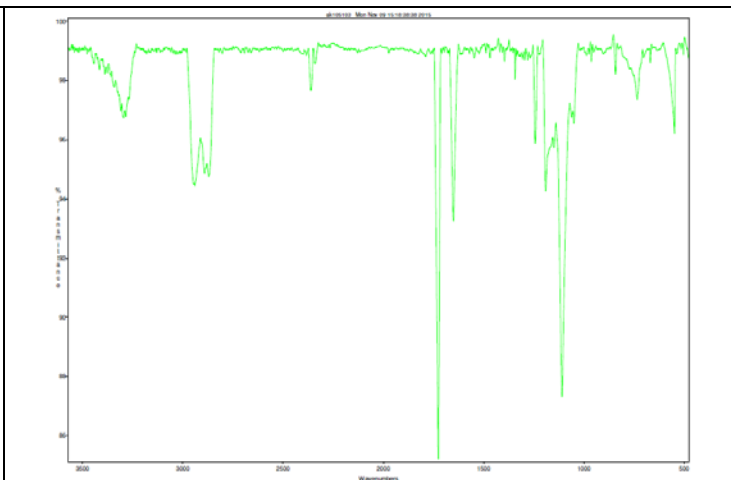


# No. AK105 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(caprolactone) ( $M_w \sim 5,000:8,000$  Da)  
(Lot#: 51030ELH)

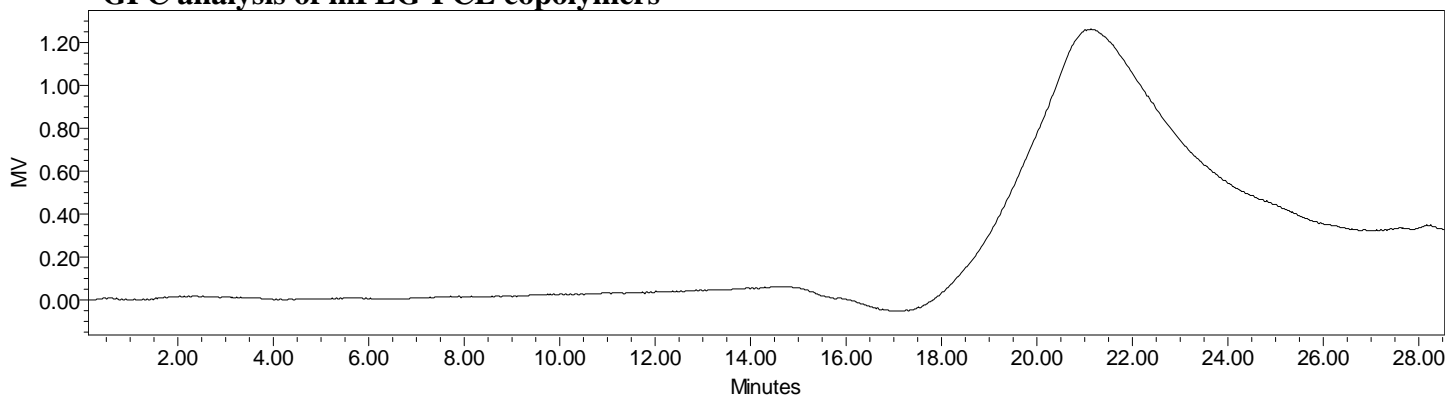


H-NMR Spectrum of mPEG-PCL copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-PCL repeat units:  
EG/CL = 115\*/72 ( $M_n$  5066\*/8248Da) (\*MFG nominal)



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-PCL copolymers

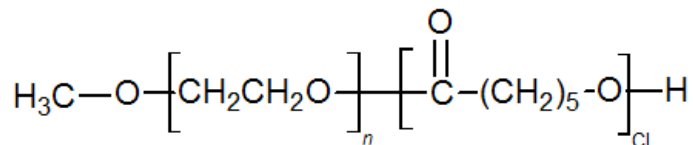


Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
mPEG-PCL	6,966	16,740	2.40
mPEG5000 initiator*	5591	5618	1.01

\*calibrated against PEG standards

## • Structure of mPEG-PCL copolymers



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