

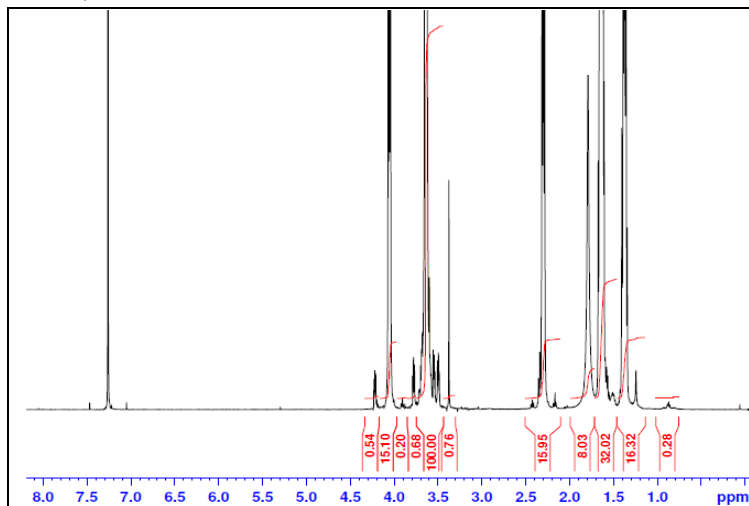
No. AK075

Certificate of Analysis



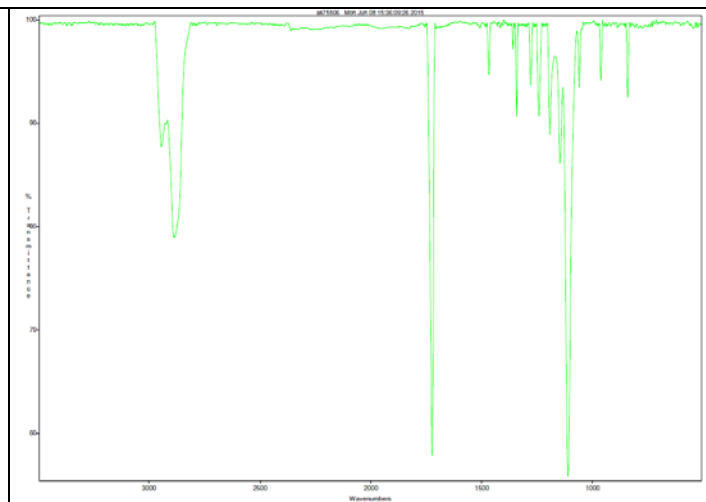
Product Name: Methoxy Poly(ethylene glycol)-*b*-Polycaprolactone copolymers
(5,000:4,000 Da) (Lot#: 50601MLS)

H-NMR



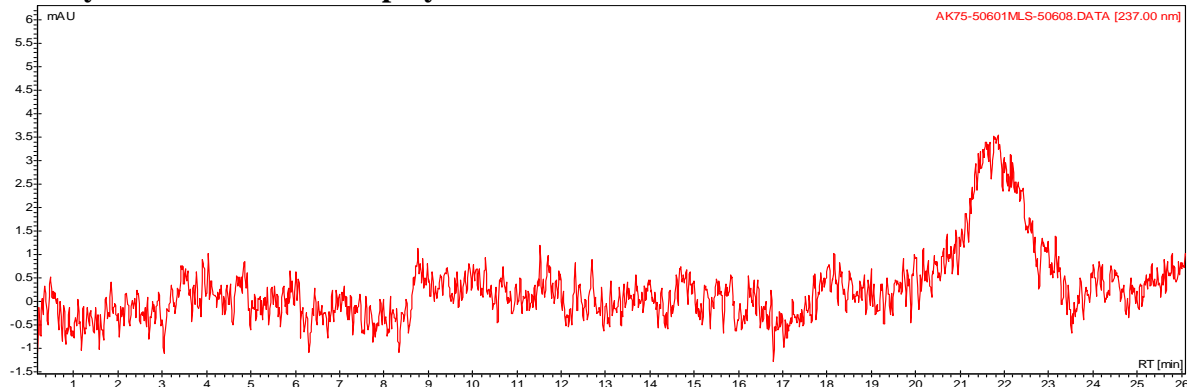
H-NMR Spectrum of mPEG-PCL copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PCL repeat units: EG-CL = 114-34, (M_n 5,022-3,930 Da)

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-PCL copolymers

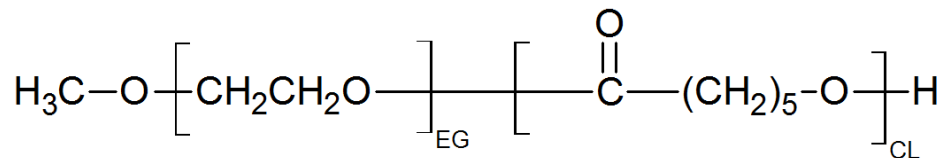


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
mPEG-PCL	6,862	9,751	1.42
mPEG initiator*	5,591	5,618	1.00

*-against PEG standards

• Structure of mPEG-PCL copolymers



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