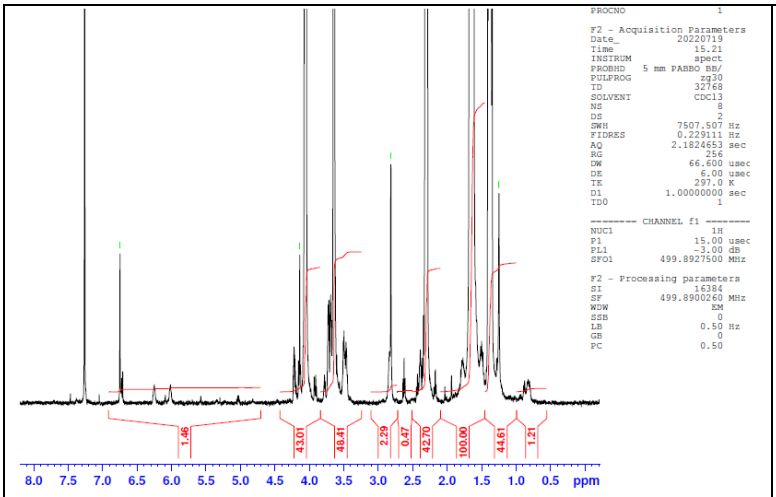
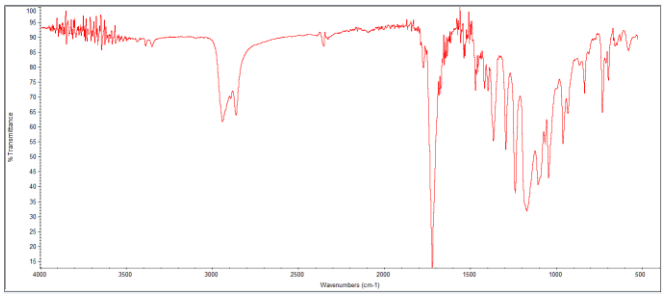
No. AI234 Certificate of Analysis

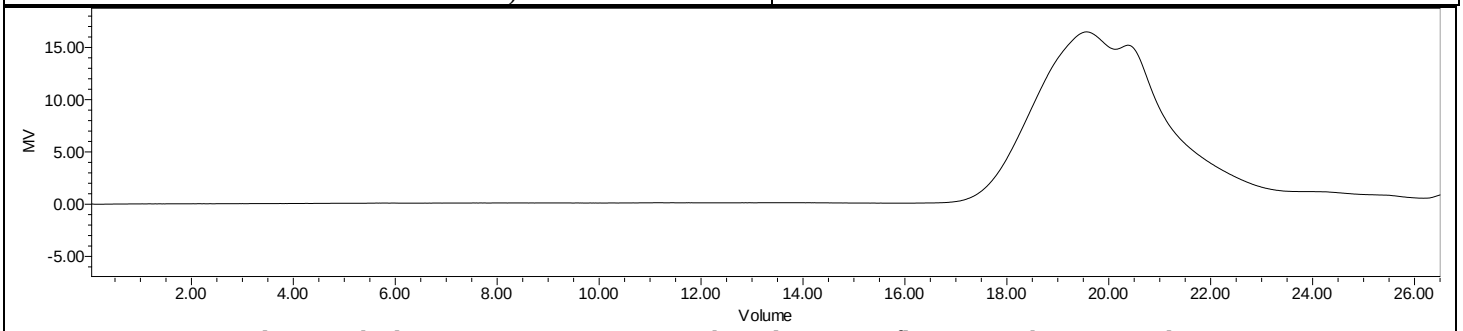
Product Name: Maleimide-*b*-Poly(ethylene glycol)-Poly(caprolactone) copolymers (M_W ~ 2,000:10,000Da) (Lot#: 220708RAI-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of mPEG-PCL copolymer: LA-CL = 52-92 (Mn LA:CL 2291:10546 Da)

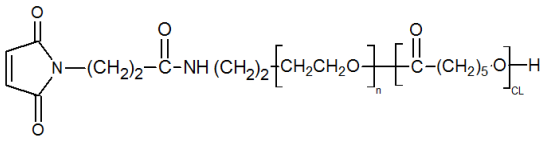


FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
Mal-PEG-PCL	18,989	35,589	1.87
PEG Precursor*	2300*		

*- from MFG data

- **Structure of Mal-PEG-PCL copolymers**