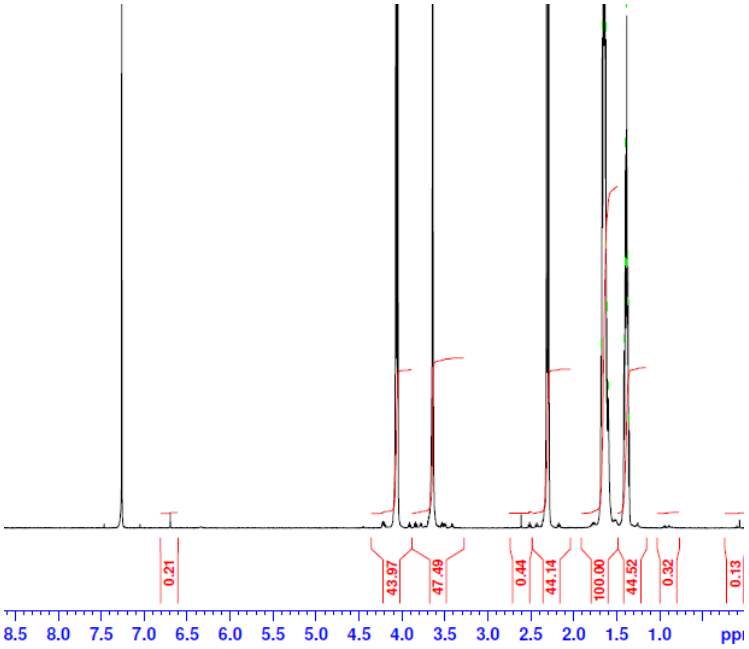
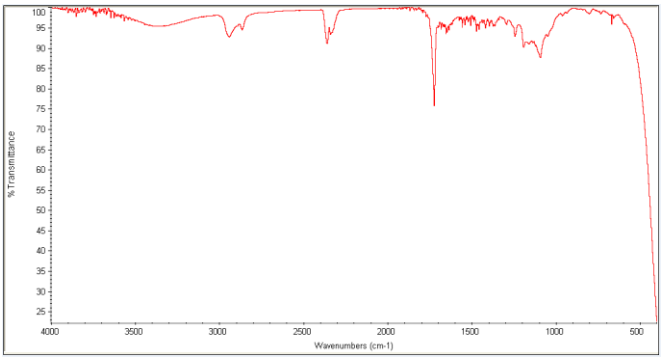
No. AI178 Certificate of Analysis

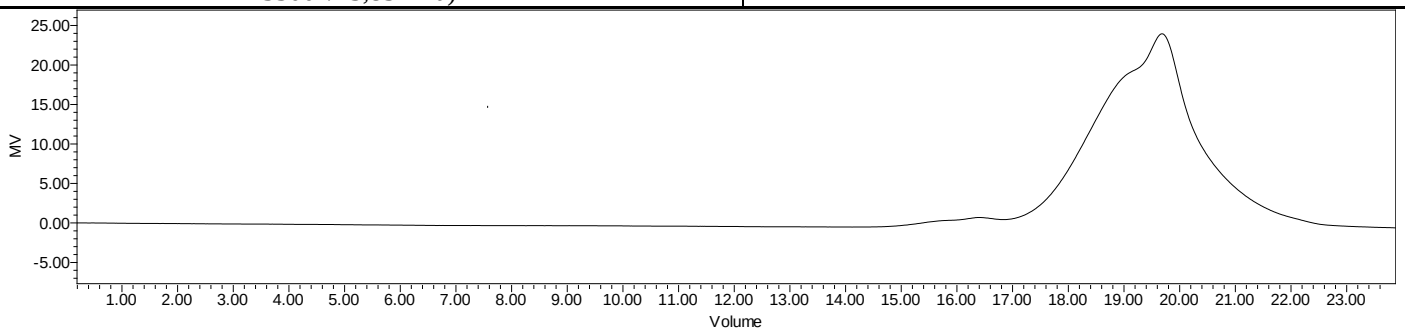
Product Name: Polycaprolactone-b-Poly(ethylene glycol)-Maleimide (Mw ~ 17,000-3400 Da) Lot# 190514RAI-A



H-NMR Spectrum of copolymers in CDCl3 (500 MHz, Bruker) NMR of PLGA-PEG copolymer: EG/CL =75/139 (Mn EG/CL 3300*/15,851 Da)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicollet Avatar 320 spectrometer and analyzed in transmission mode.

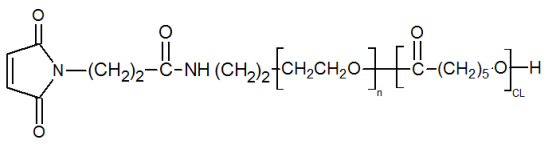


GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PCL-PEG	28,958	41,739	1.44
PEG precursor*	3300*		

*- from MFG data

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



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