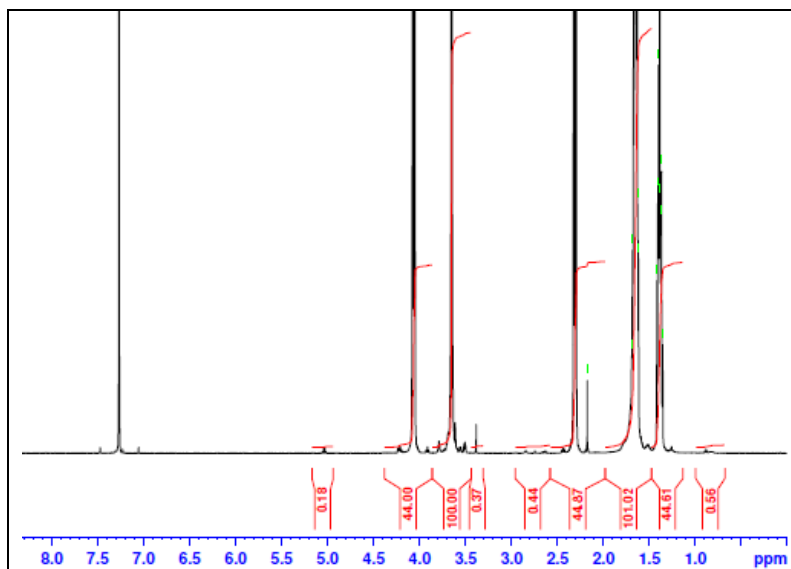


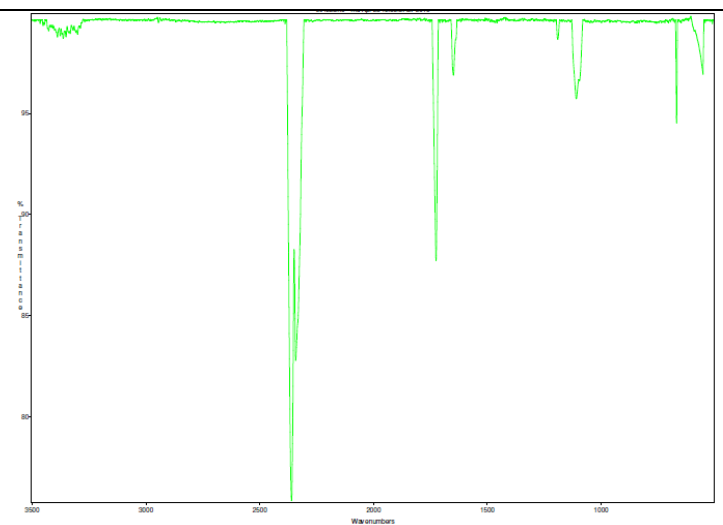
No. AI131

Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-b-Poly(caprolactone)-cysteine ethyl ester endcap (10,000:20,000 Da) (Lot#: 60422SMS-B)

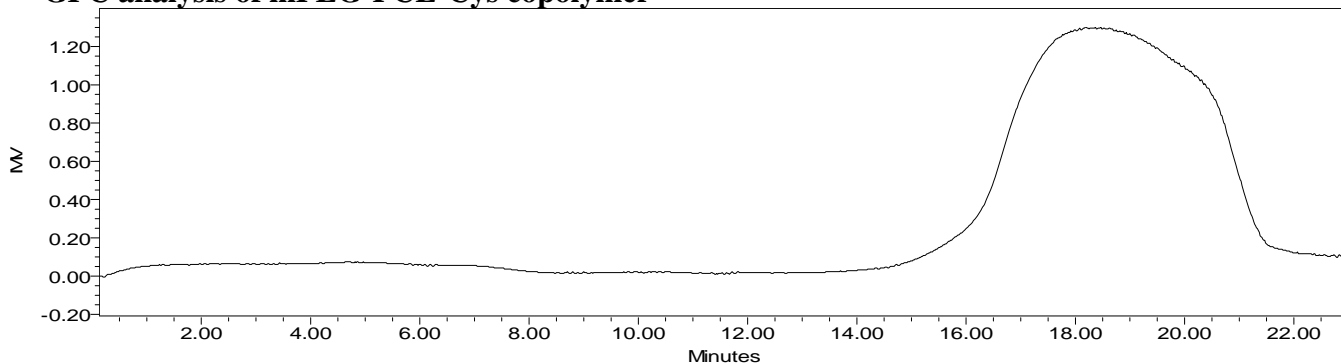


H-NMR Spectrum of mPEG-PCL-Cys copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PCL-Cys copolymer, NMR of mPEG-PCL-Cys repeat units: EG/CL = 198/174, Mn = 8719*/19,888 Da *mfg provided data



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

• GPC analysis of mPEG-PCL-Cys copolymer

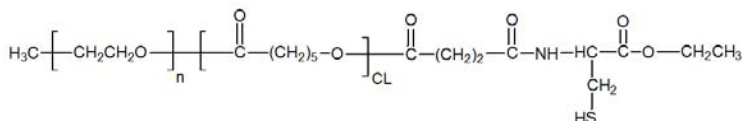


Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PCL-Cys	14,813	41,654	2.81
mPEG precursor*	Mn-8,719*		1.1

*manufacturer provided data

• Structure of mPEG-PCL-Cys copolymer



Material provided for research use only. Not for human use.