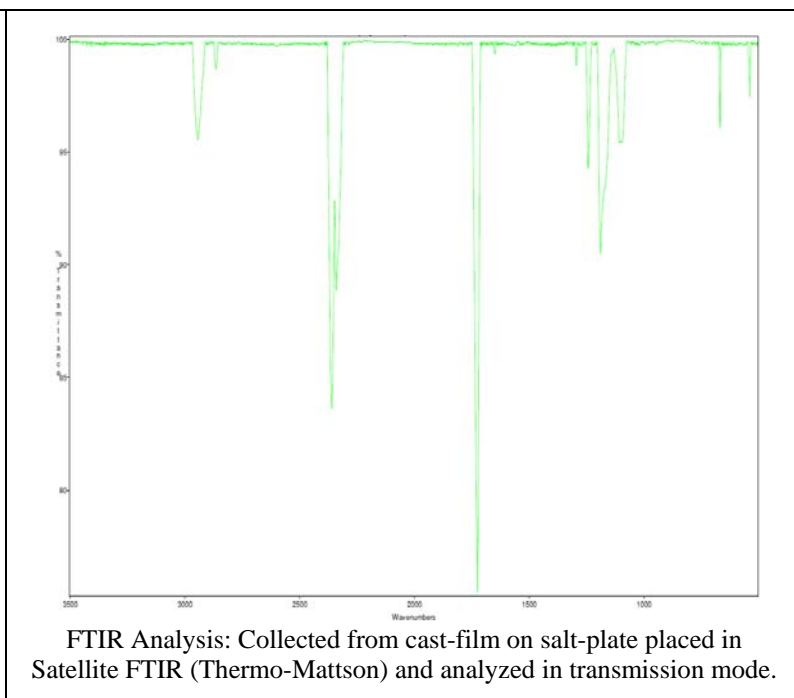
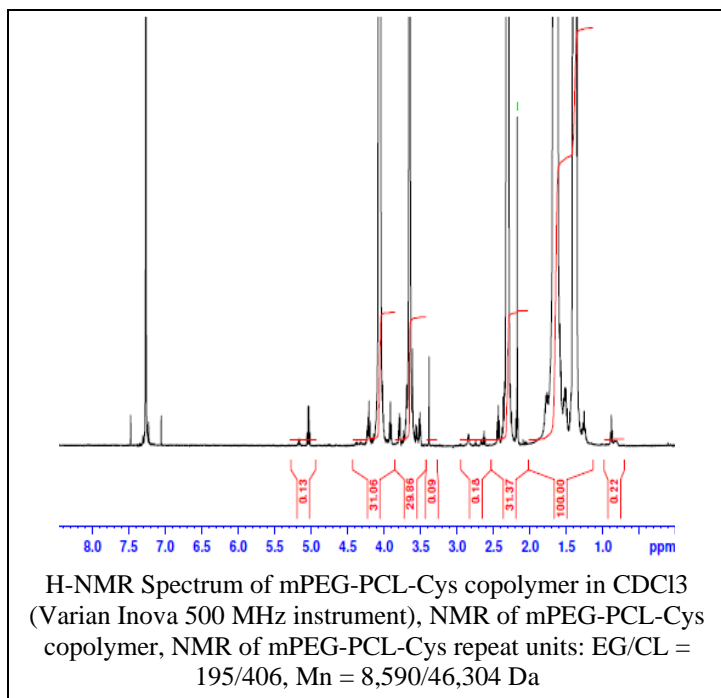


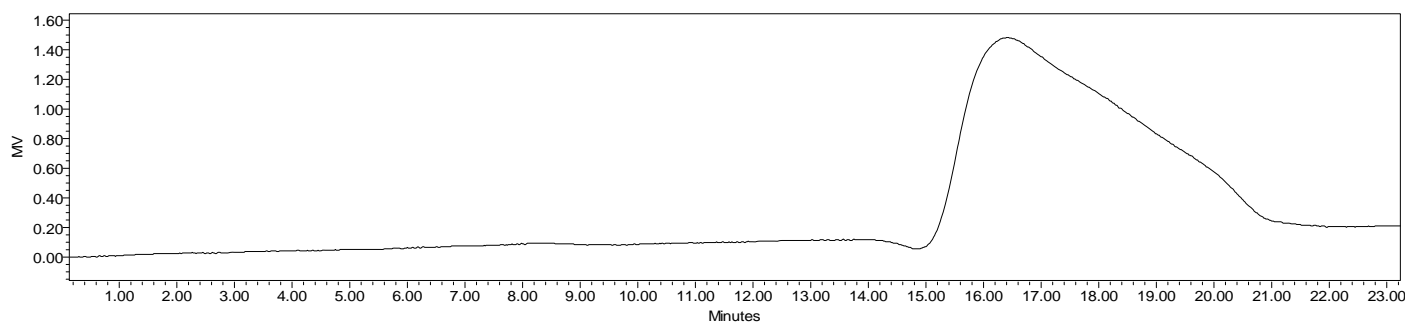
No. AI130

Certificate of Analysis

Product Name: Methoxy-Poly(ethylene glycol)-b-Poly(caprolactone)-cysteine ethyl ester endcap (10,000:40,000 Da) (Lot#: 60422SMS-A)



• GPC analysis of mPEG-PCL-Cys copolymer

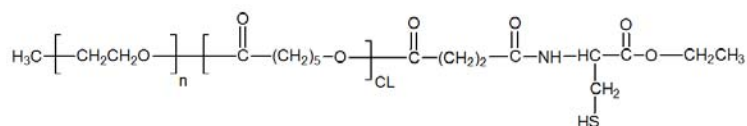


Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PCL-Cys	27,130	53,507	1.97
mPEG precursor*	Mn-8,567*		1.1

*manufacturer provided data

• Structure of mPEG-PCL-Cys copolymer



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