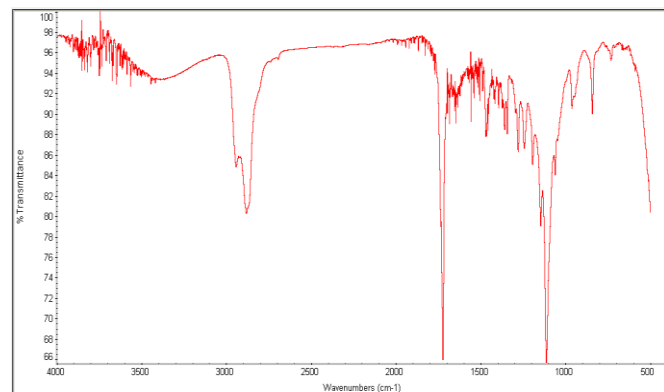
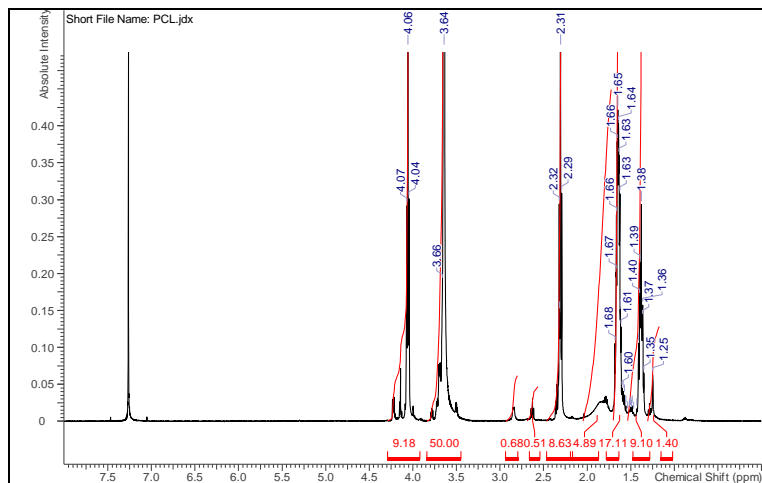


# No. AI158

# Certificate of Analysis

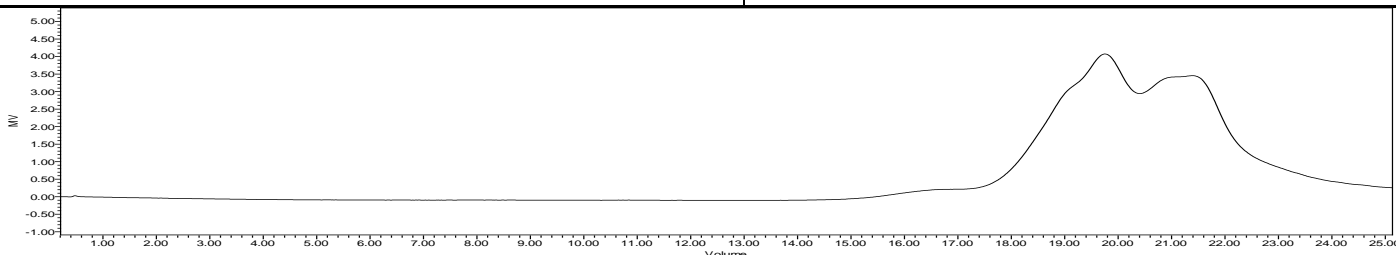


Product Name: Poly(caprolactone)-*b*-Poly(ethylene glycol)-N-hydroxysuccinimide copolymers (M<sub>w</sub> ~2,000-2,000 Da) (Lot#: 171003SMS-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument) NMR of PCL-PEG-NHS repeat units: EG-CL = 55\*-17 (M<sub>n</sub> EG-CL = 2422\*-1951) \*Data provided by manufacturer

FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Protégé 460 spectrometer and analyzed in transmission E.S.P. 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PCL-PEG	4859	7601	1.56
PEG*		2400*	

\*- from MFG data

## Structure of PCL-PEG-NHS copolymers

