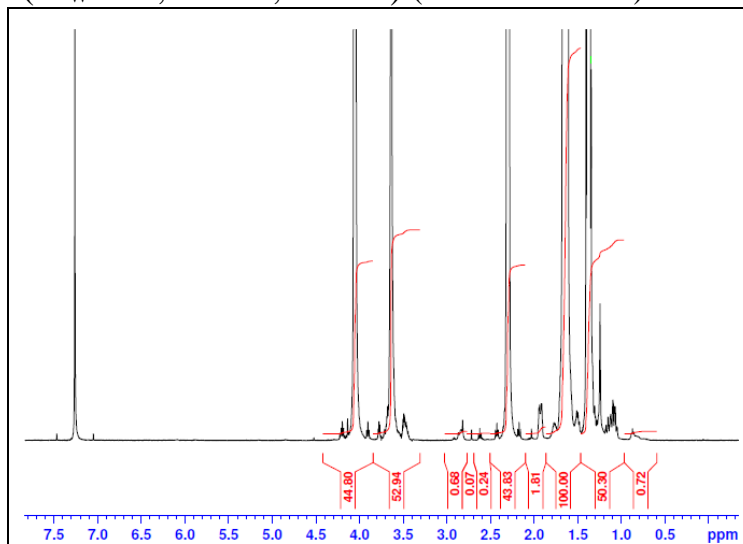


No. AI87

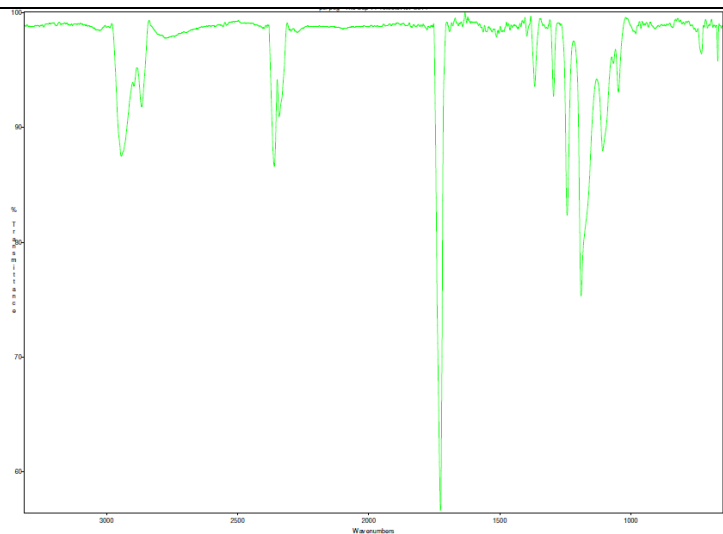
# Certificate of Analysis



Product Name: Poly(caprolactone)-*b*-Poly(ethylene glycol)-N-hydroxysuccinimide copolymers  
( $M_w \sim 45,000$ - $10,000$  Da) (Lot#: 40905JSG)

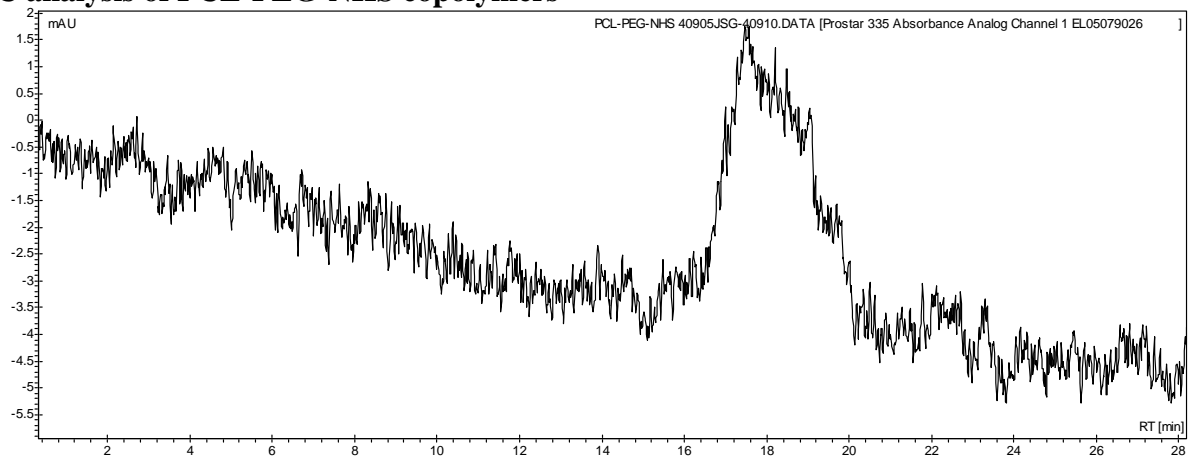


H-NMR Spectrum of PCL-PEG-NHS copolymers in  $CDCl_3$   
(Varian Inova 500 MHz instrument), NMR of PCL-PEG-NHS repeat units: EG-CL = 235\*-398 ( $M_n$  EG-CL = 10353\*-45397)  
\*Data provided by manufacturer



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

- **GPC analysis of PCL-PEG-NHS copolymers**

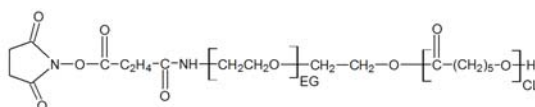


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 $\mu$ m columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PCL-PEG-NHS	34,491	61,257	1.78
PEG Precursor	$M_n$ by GFC 10,300 *		

\*-data provided by manufacturer

- **Structure of PCL-PEG-NHS copolymers**



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