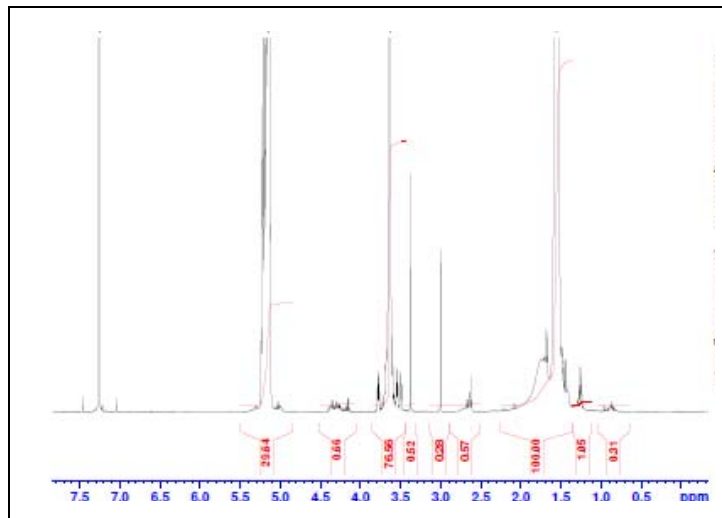


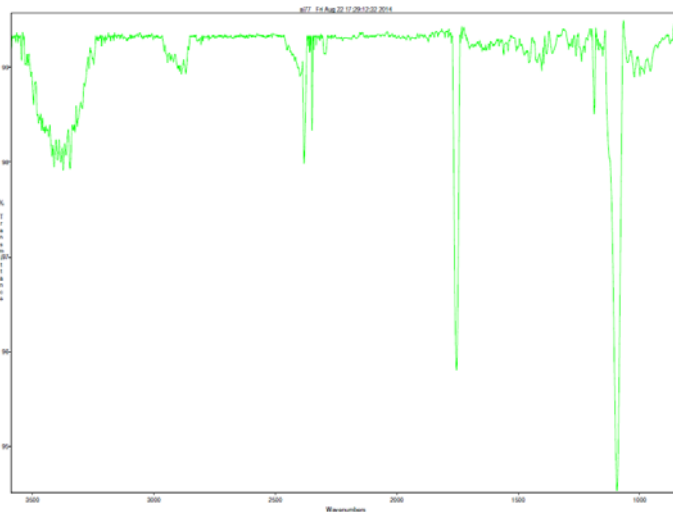
No. AI77

Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(D,L-lactic acid)-carboxylic acid endcap diblock copolymers ($M_w \sim 5,000:14,000$ Da) (Lot#: 40814JSG)

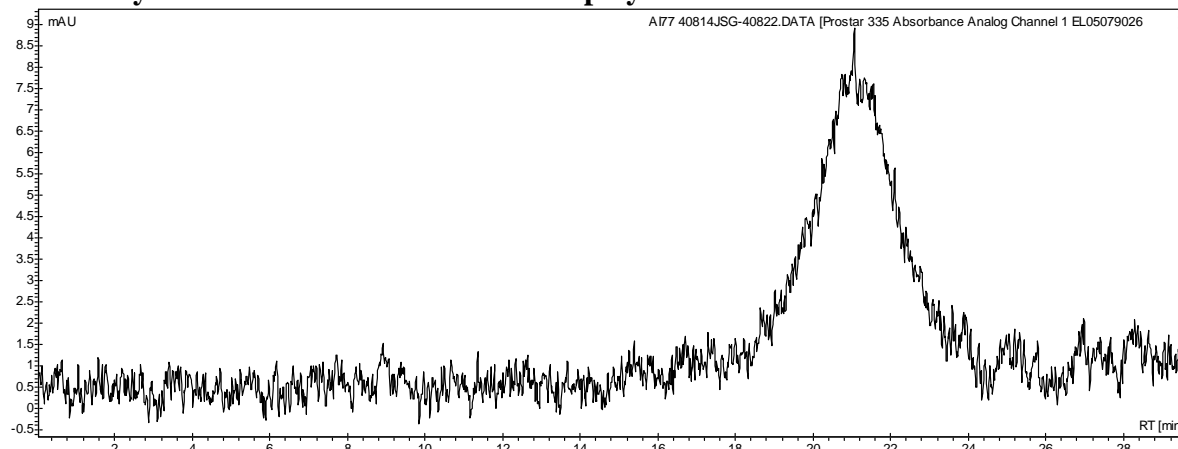


$^1\text{H-NMR}$ Spectrum of mPEG-PDLLA-COOH copolymers in CDCl_3 (Varian Inova 500 MHz instrument), NMR of mPEG-PDLLA-COOH repeat units: EG-LA = 125-194, M_n EG-LA = 5,507-13,937



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

- GPC analysis of mPEG-PDLLA-COOH copolymers**

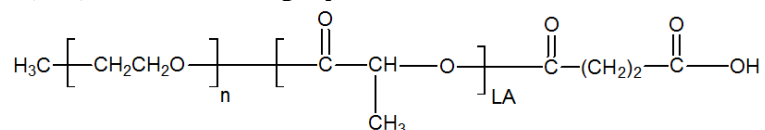


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across across two Phenogel $5\mu\text{m}$ columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
mPEG-PDLLA-COOH	13,511	23,941	1.77
mPEG Precursor*	5488	5847	1.07

*-ran separately, data not shown

- Structure of mPEG-P(DL)LA-COOH copolymers**



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