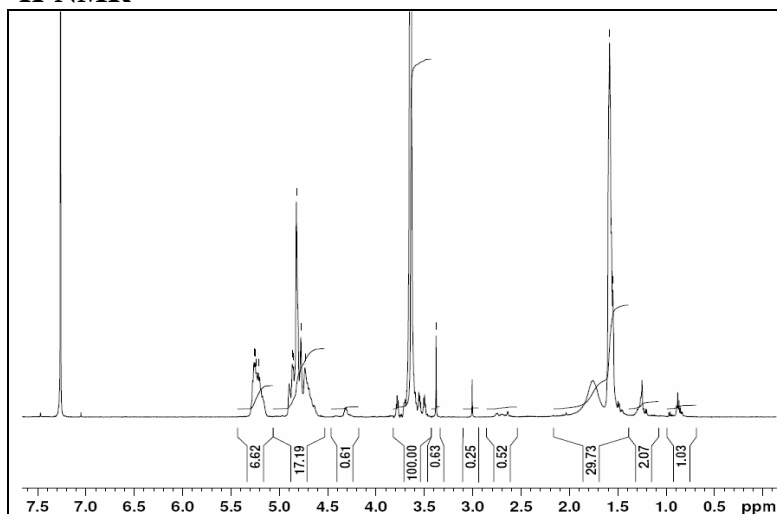


No. AI42

Certificate of Analysis

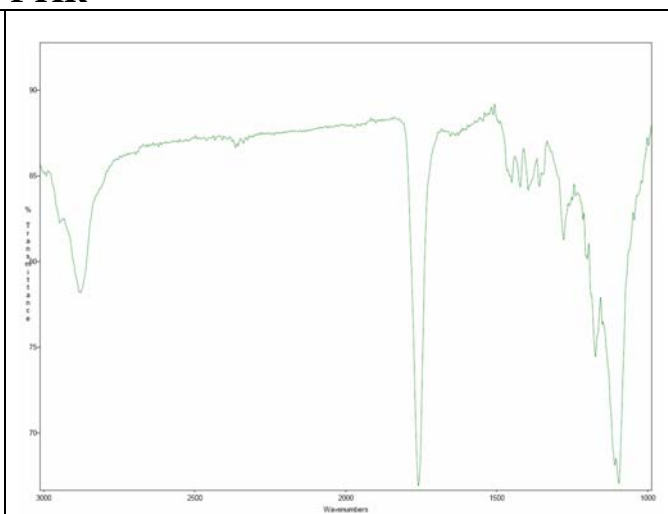
Product Name: Methoxy Poly(ethylene glycol)-b-Poly(lactide-co-glycolide)-succinic acid
(5,000:5,000 Da) (Lot#: 30517JSG)

H-NMR



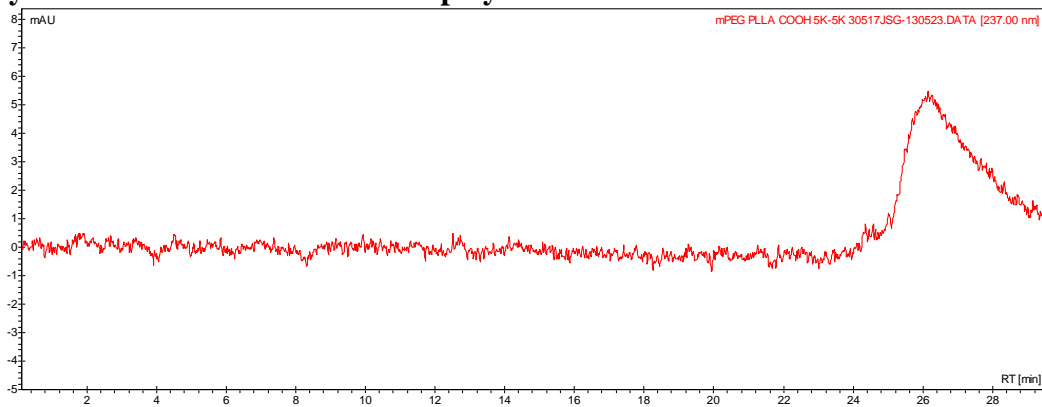
H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA copolymer, NMR of mPEG-PLGA repeat units: EG-GA/LA = 119-41/32 (M_n – 5242-2379/2306Da)

FTIR



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-PLGA-COOH copolymer**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across three Phenogel 5u columns (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLGA-COOH	10492	12834	1.22
mPEG precursor*	5488	5847	1.07

- **Structure of mPEG-PLGA copolymer**

