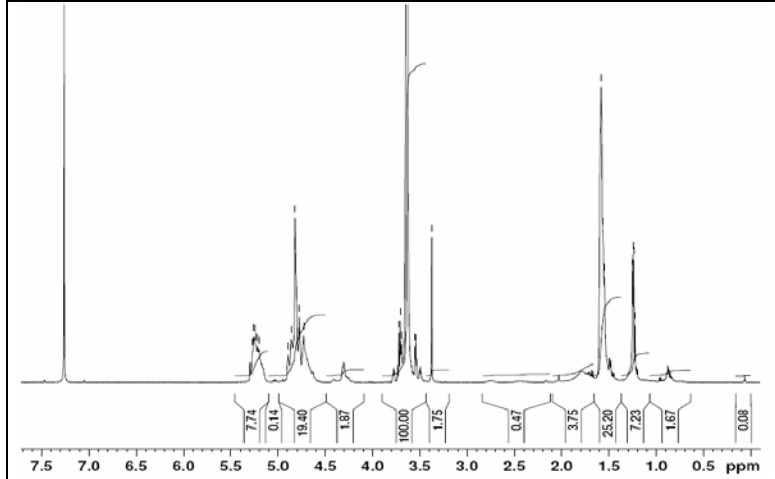


No. AK52

Certificate of Analysis

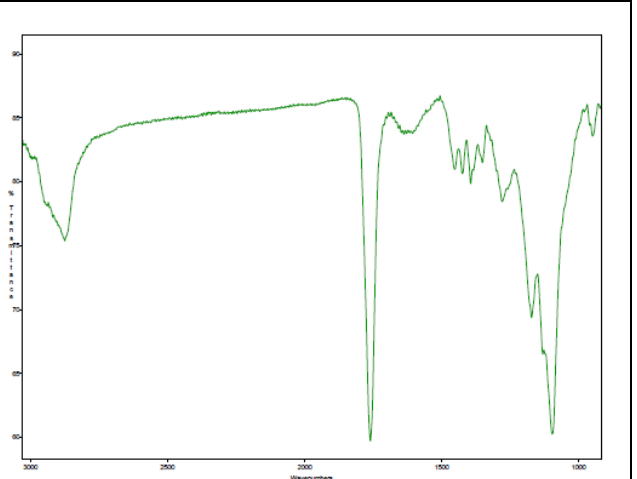
Product Name: Methoxy Poly(ethylene glycol)-b-Poly(lactide-co-glycolide) (2,000:2,000 Da) (Lot#: 30508JSG)-RevA: Structure

H-NMR



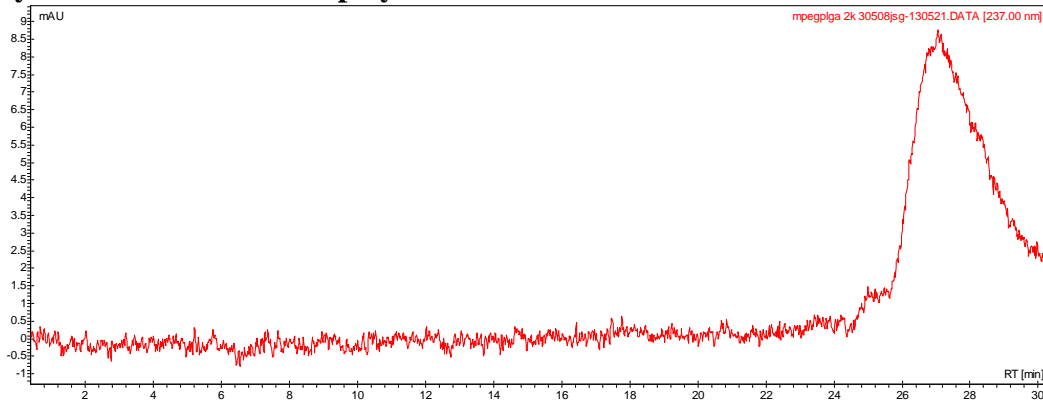
H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA copolymer, NMR of mPEG-PLGA repeat units: EG-GA/LA = 46*-18/14 (1982-1036/1025) (*-based on MFG data)

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 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	5533	8024	1.45
mPEG precursor*	2298	2637	1.15

*-ran separately

- Structure of mPEG-PLGA copolymer

