

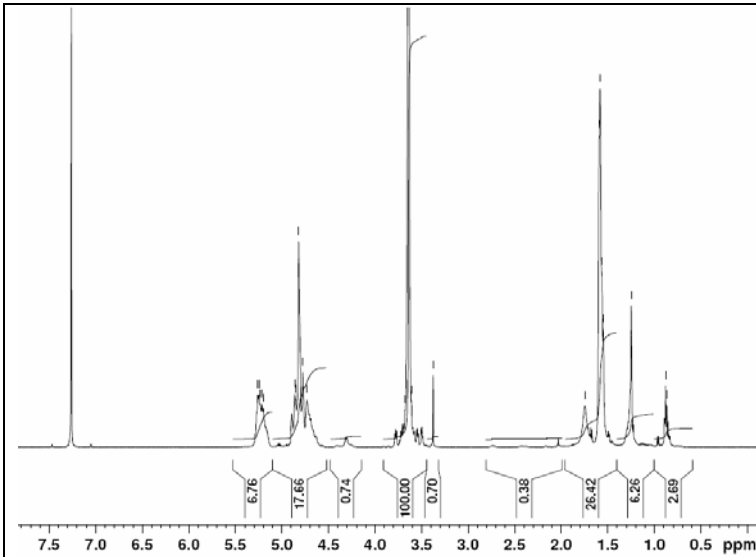
No. AK51

Certificate of Analysis



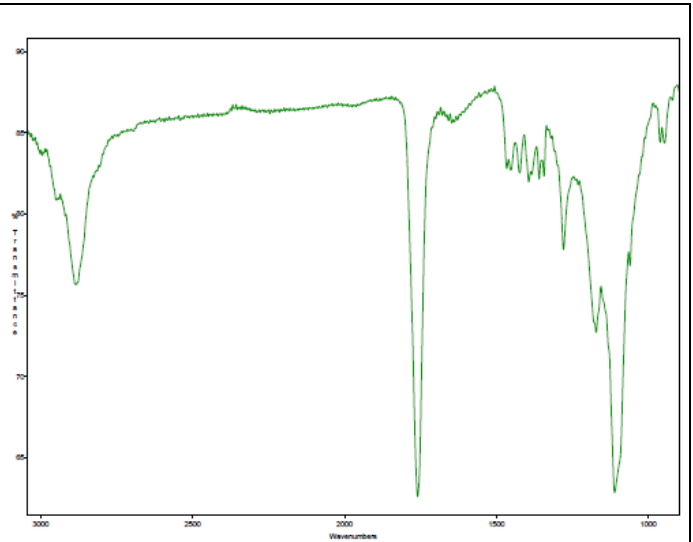
Product Name: Methoxy Poly(ethylene glycol)-b-Poly(lactide-b-glycolide) (5,000:5,000 Da)
(Lot#: 30508JSG)

H-NMR



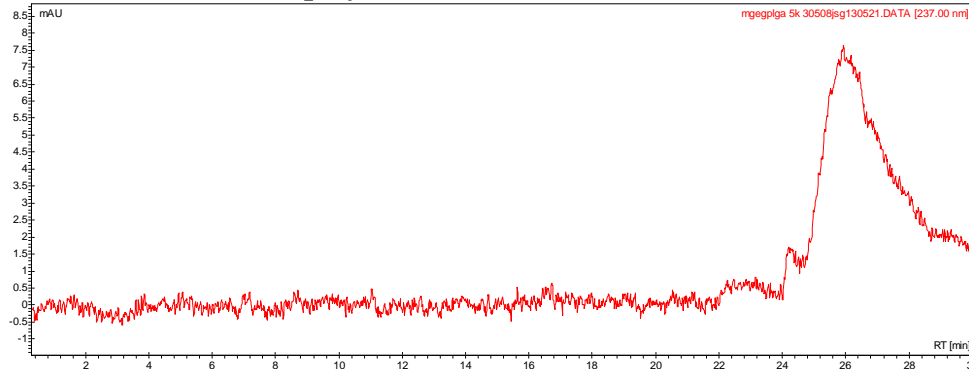
H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA copolymer, NMR of mPEG-PLGA repeat units: EG-GA/LA = 113*-40/31 (4978-2200/2316 Da) (*-MFG listed Mn)

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	9301	14055	1.51
mPEG precursor*	5488	5847	1.07

* - against PEG standards

• Structure of mPEG-PLGA copolymer

