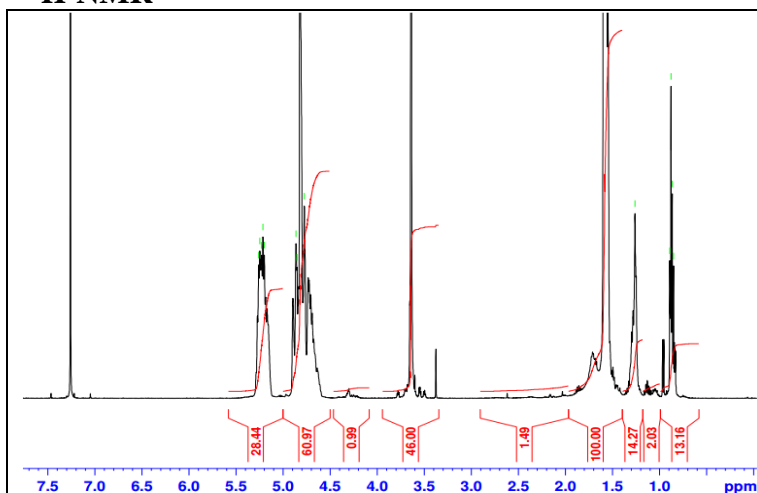


No. AK102 Certificate of Analysis

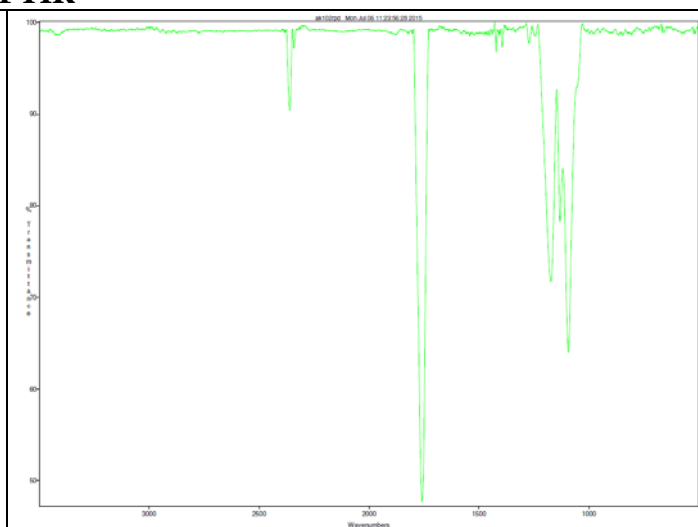
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(D,L-lactic-co-glycolic) acid copolymer
(M_w 5,000:30,000 Da, 50:50 LA:GA) (Lot#: 50331SMS) (Repurified)

H-NMR



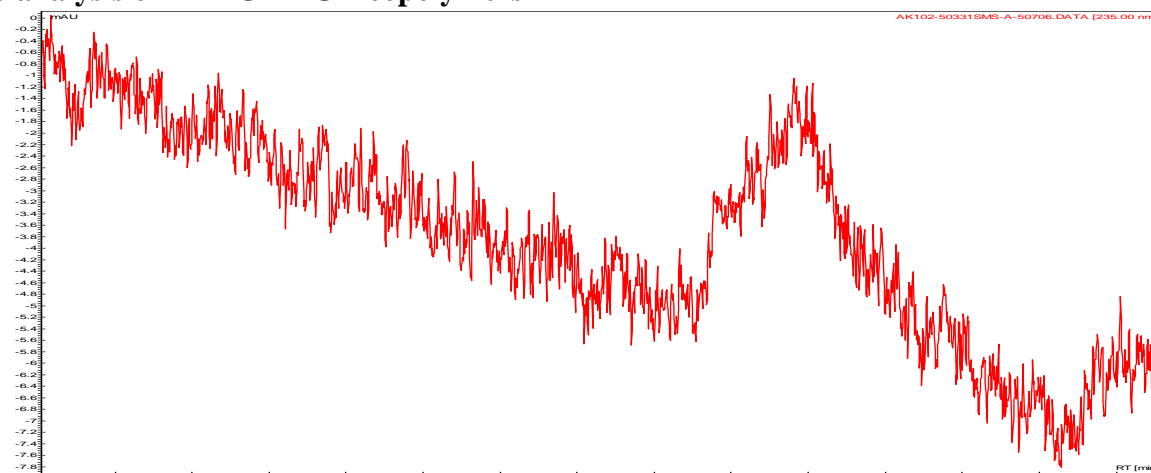
H-NMR spectrum of mPEG-PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units: EG-LA/GA = 106-262/281, M_N = 4670*-18,874/16,309 LA/GA ratio = 54%/46%

FTIR



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

• GPC analysis of mPEG-PLGA copolymers

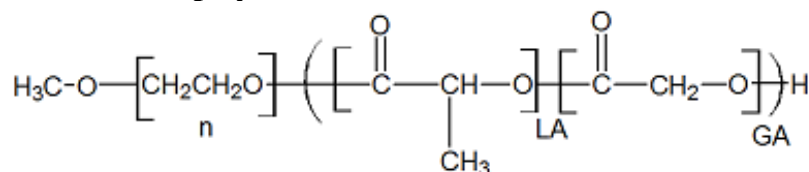


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5 μm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PLGA	22,181	35,150	1.58
mPEG 5000 initiator*	4,667	5,008	1.07

*calibrated against PEG standards

• Structure of mPEG-PLGA copolymers



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