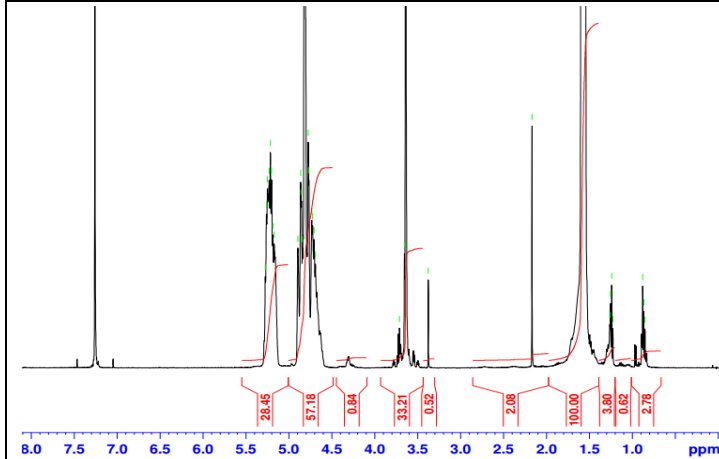


No. AK27 Certificate of Analysis

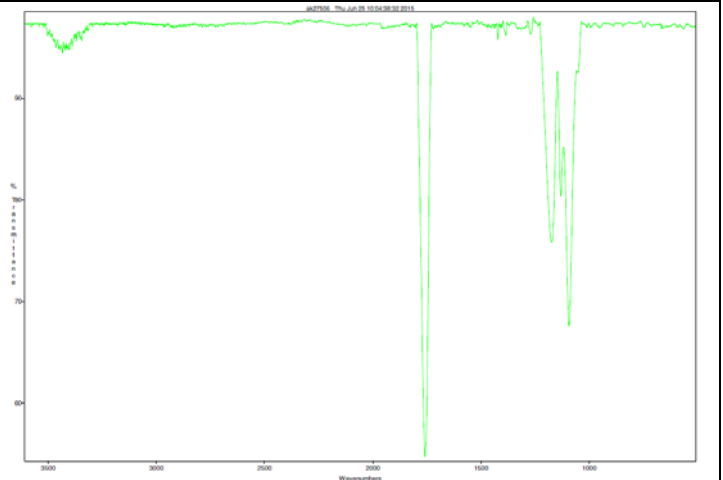
Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide)
 (M_w ~2,000:15,000 Da, 1:1 LA:GA) (Lot#: 50609FAJ-D)

H-NMR



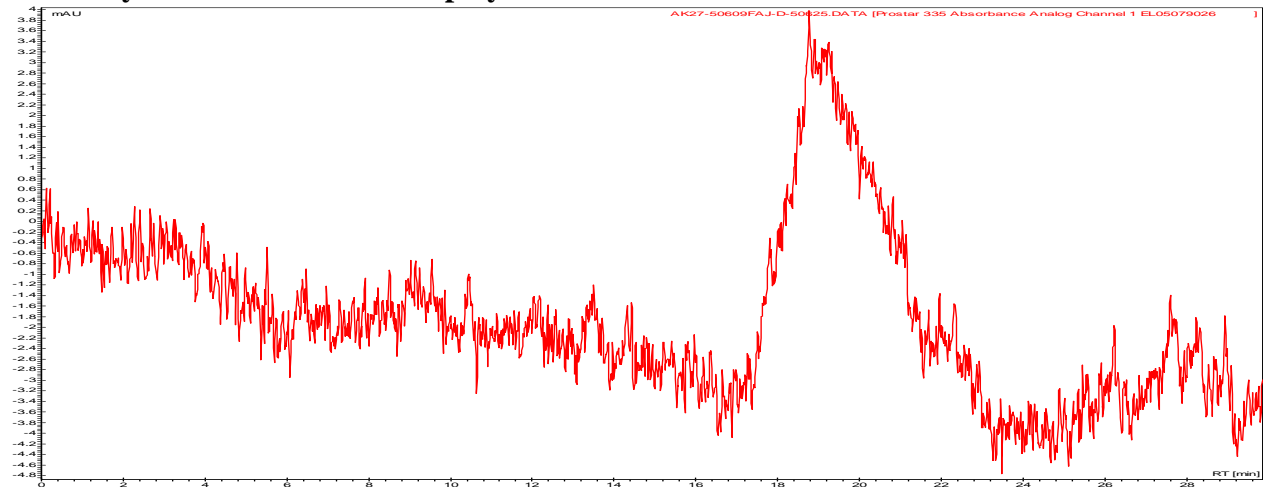
H-NMR Spectrum of mPEG-PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units:
 EG-LA/GA = 46-129/138 M_N = 1,982-11,102/8,994
 LA/GA ratio: 55%/45%

FTIR



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

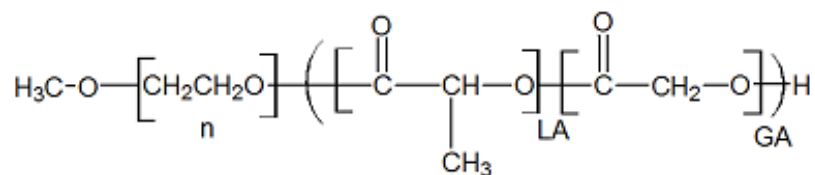
- **GPC analysis of mPEG-PLGA copolymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5µm Phenogel 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-PLGA	15,573	26,112	1.68
mPEG2000 initiator	MFG listed M _n as 1,965		

- **Structure of mPEG-PLGA copolymers**



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