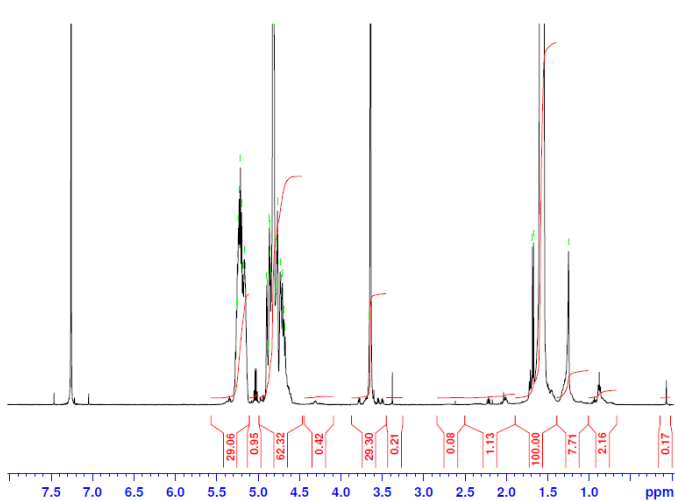
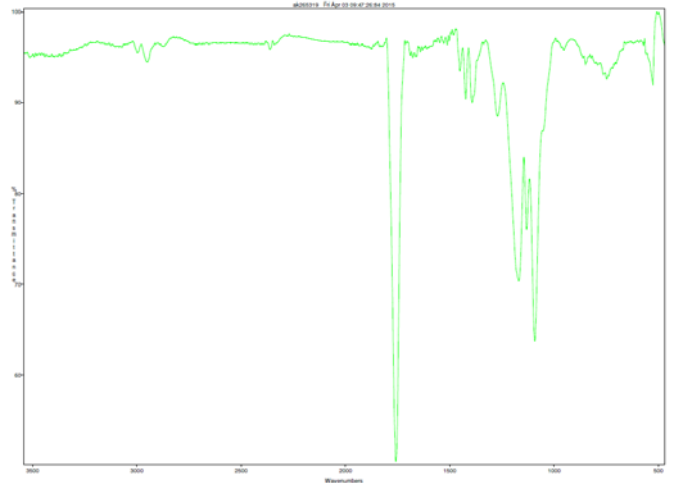


No. AK026 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-Poly(lactide-co-glycolide) (5,000-55,000 Da)
 (Lot#: 50319ZZZ-A)

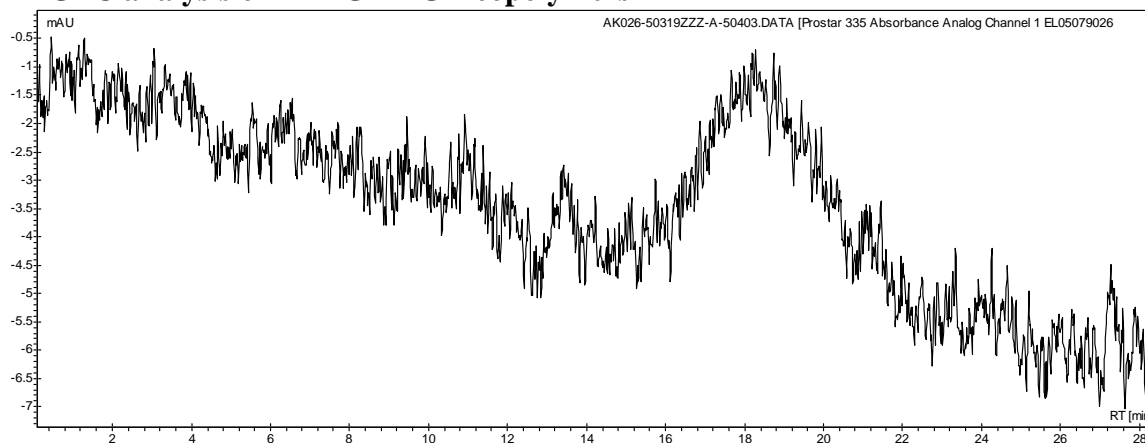


H-NMR Spectrum of mPEG-PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of mPEG-PLGA repeat units:
 EG-LA/GA = 105-415/445 (Mn 4610-29,890/25,836)



FTIR analysis of mPEG-PLGA copolymers Collected from cast-film on salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

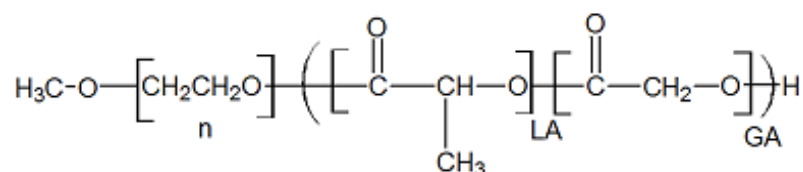
• GPC analysis of mPEG-PLGA copolymers



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

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
mPEG-PLGA	43,208	82,230	1.90
mPEG5000 initiator*	5,488	5,847	1.06

• Structure of mPEG-PLGA copolymers



Material provided for research use only. Not for human use.

PolySciTech Division of Akina, Inc. | 3495 Kent Avenue, West Lafayette, IN 47906
 765-464-0390 | www.polysciotech.com

For research use only.