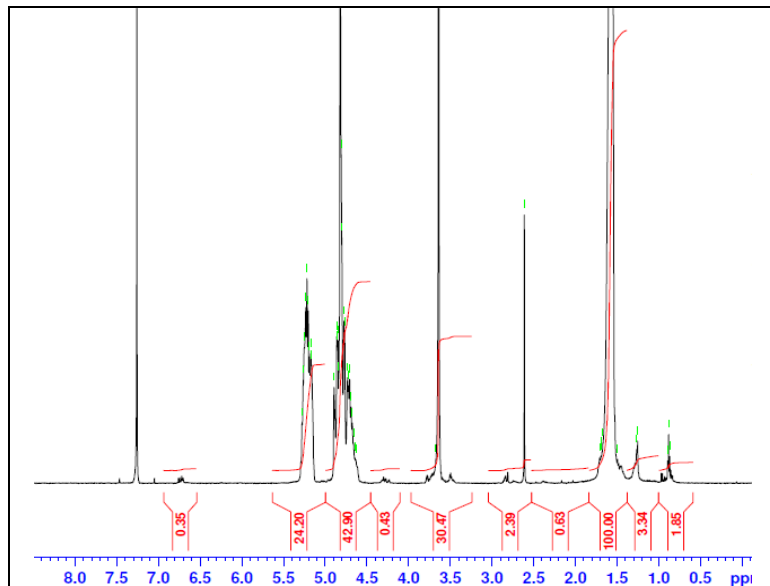


No. AI185

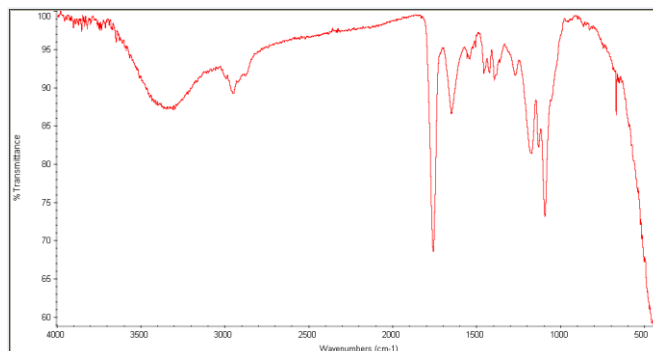
Certificate of Analysis



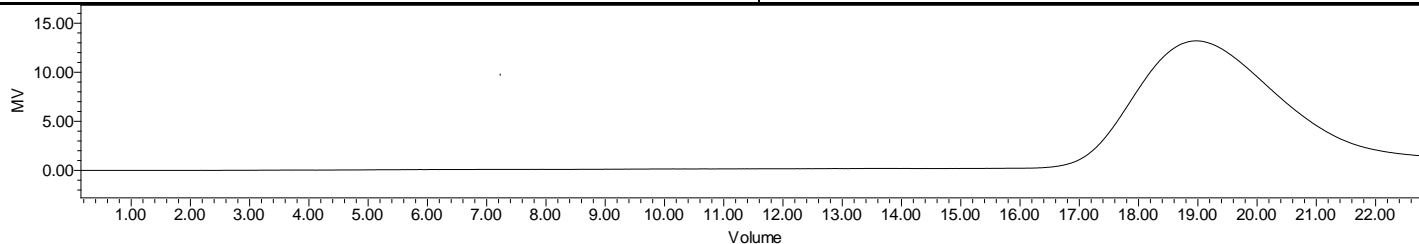
Product Name: Poly(Lactide-co-glycolide)-b-Poly(ethylene glycol)-Maleimide
PLGA-PEG 50,000-5000 Da (Lot #190821RAI-A)



H-NMR Spectrum of copolymers in CDCl₃ (Bruker 500 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG*/LA-GA =109*/346-307 (Mn EG/LA:GA 4802*/24932-17814 Da)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA-PEG	50,553	59,878	1.18
PEG*		4800*	

*- from MFG data

- Structure of PLGA-PEG-Maleimide

