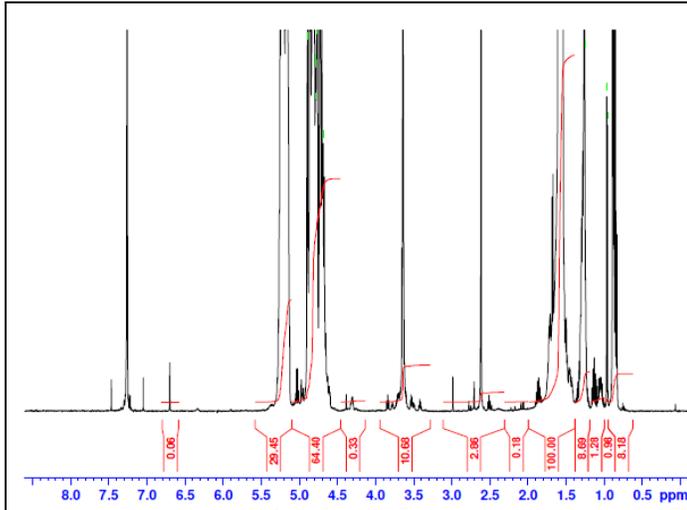


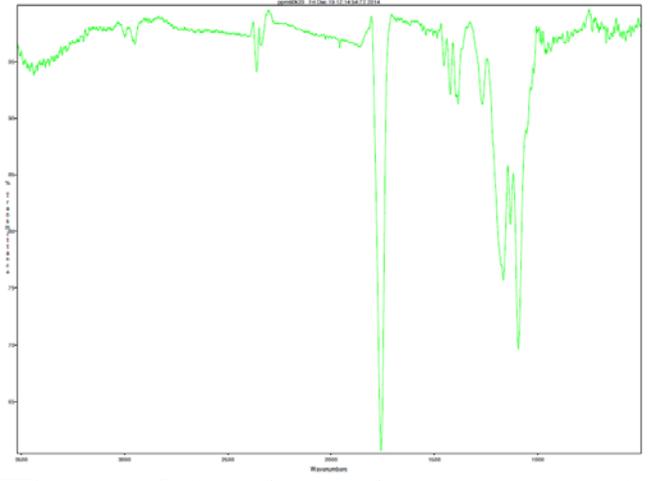
No. AI101

Certificate of Analysis

Product Name: Poly(lactic-co-glycolic)-b-Poly(ethylene glycol)-Maleimide copolymers
 (M_w ~60,000-2,000Da) (Lot#: 41208JSG)

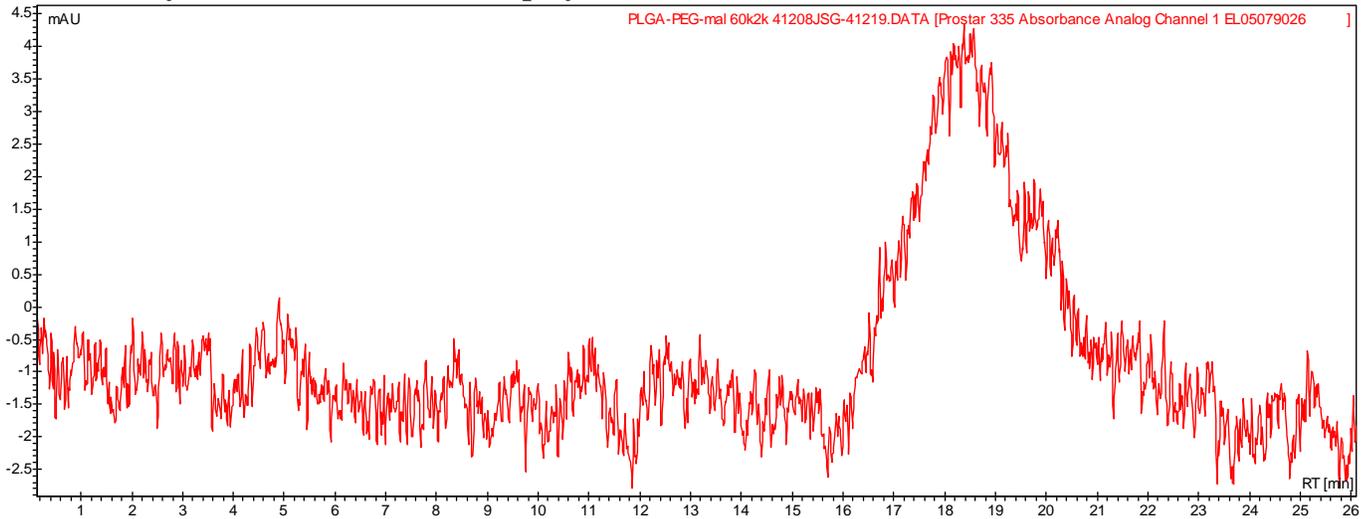


H-NMR Spectrum of PLGA-PEG-Mal copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA-PEG-Mal repeat units: EG-LA/GA = 46*-507/555 (M_n EG-LA/GA = 2,026*-36,531/32,198) *Data provided by manufacturer (purity 95% by HNMR)



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

• GPC analysis of PLGA-PEG-mal copolymers

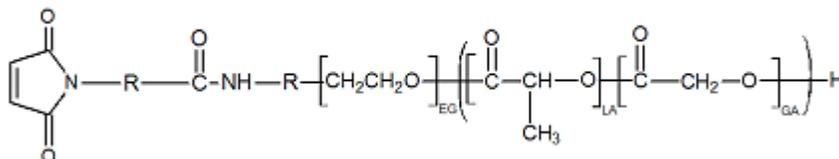


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA-PEG-Mal	49,819	96,245	1.93
PEG Precursor	Average M _n by GFC - 2000*		

*-data provided by manufacturer

• Structure of PLGA-PEG-Mal copolymers



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