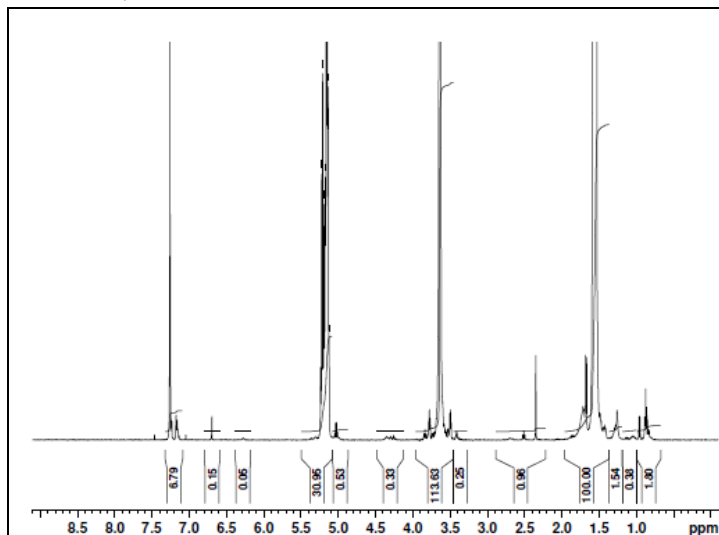


No. AI66

Certificate of Analysis

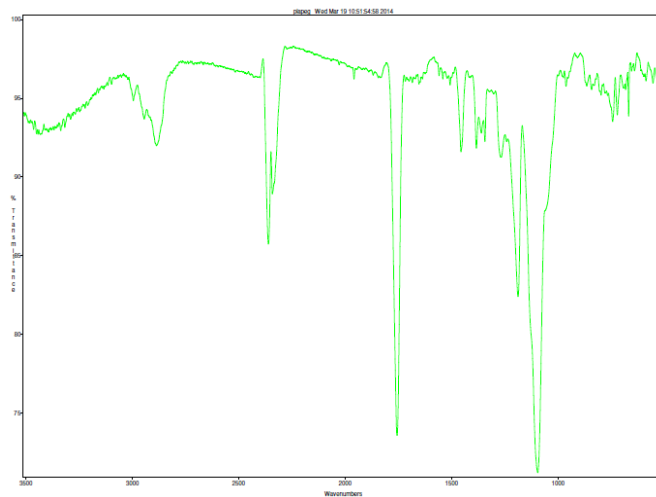
Product Name: Poly(D,L-lactide)-b-Poly(ethylene glycol)-Maleimide copolymers
(M_w 16,000:10,000 Da) (Lot#: 40312JSG) (REV:A Updated HNMR Calculations)

H-NMR



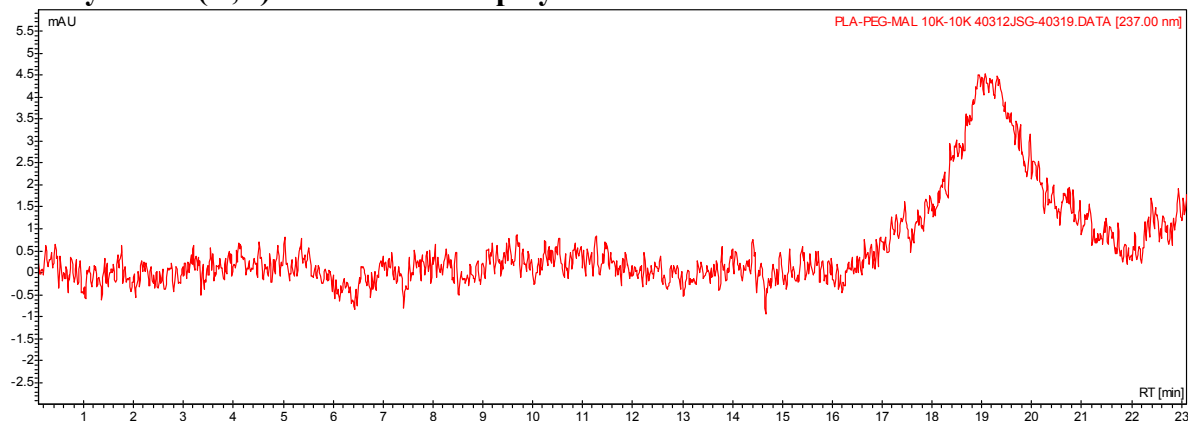
H-NMR Spectrum of P(D,L)LA-PEG-Mal copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of P(D,L)LA-PEG-Mal repeat units: LA-EG = 271-249* (M_n LA-EG = 19533-10969*) *Data provided by manufacturer

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 P(D,L)LA-PEG-Mal copolymers



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

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
P(D,L)LA-PEG-Mal	20,598	30,097	1.31
PEG Precursor	Average Mn (GFC) 11,000*		

*-data provided by manufacturer

• Structure of P(D,L)LA-PEG-Mal copolymers

