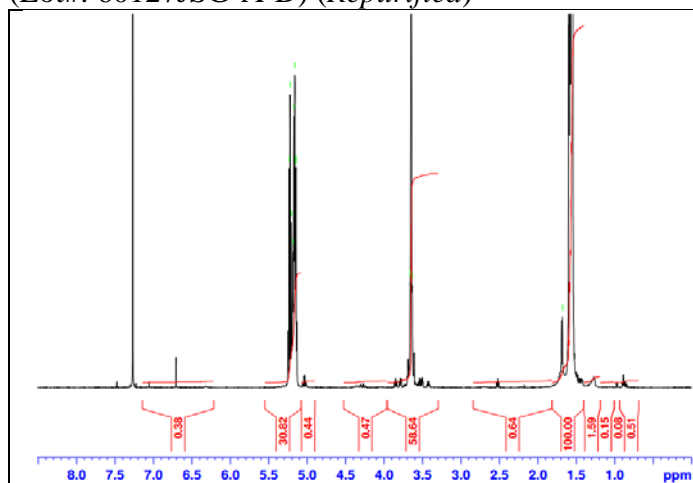


No. AI065

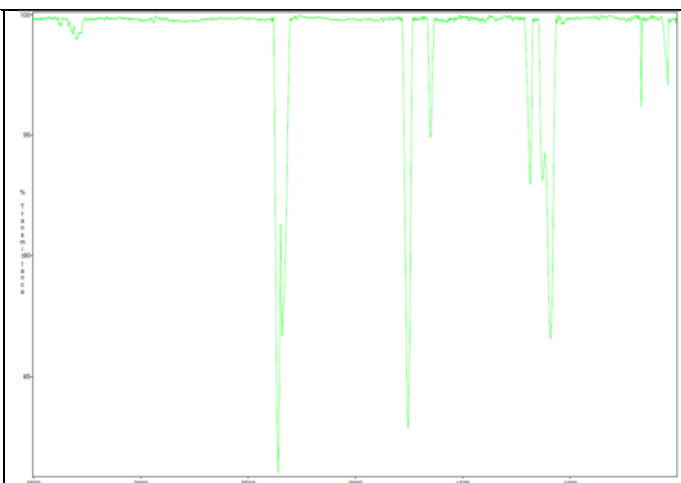
Certificate of Analysis



Product Name: Maleimide-Poly(ethylene glycol)-b-Poly(D,L-lactide)(MW 5,000:16,000 Da)
(Lot#: 60127JSG-A-D) (Repurified)

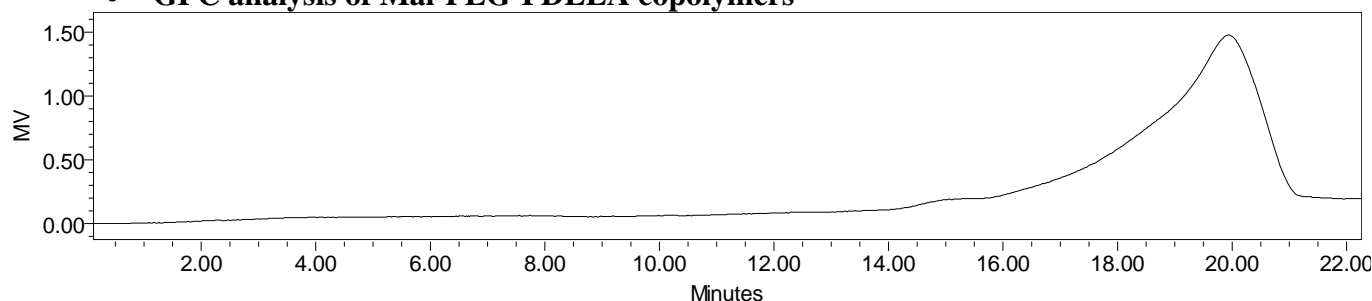


H-NMR Spectrum of Mal-PEG-PDLLA copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of repeat units: EG-LA = 102*-214 (Mn EG-LA = 4494*-15,439 (*data provided by MFG)



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

- **GPC analysis of Mal-PEG-PDLLA copolymers**

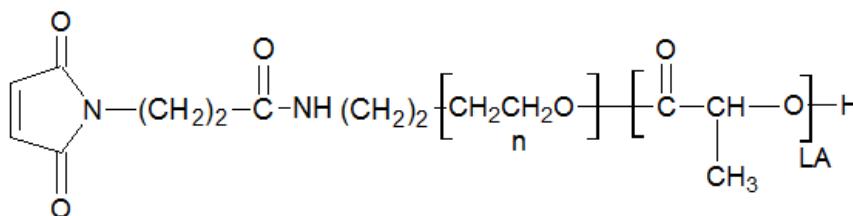


Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
Mal-PEG-PDLLA	26,340	39,795	1.51
PEG Precursor		4500*	

*-data provided by manufacturer

- **Structure of Mal-PEG-PDLLA copolymers**



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

PolySciTech Division of Akina, Inc. | 3495 Kent Avenue, West Lafayette, IN 47906

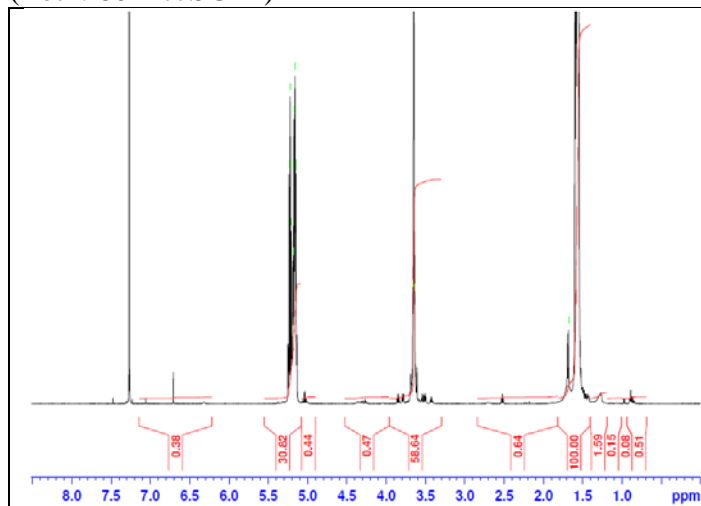
765-464-0390 | www.polysciotech.com

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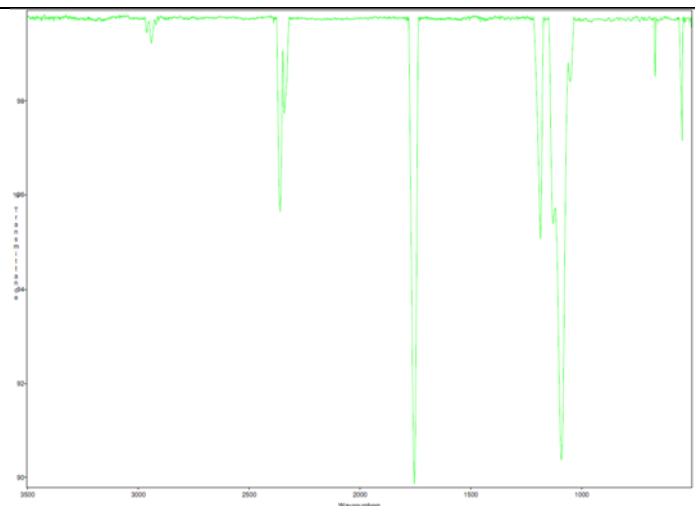
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Certificate of Analysis

Product Name: Maleimide-Poly(ethylene glycol)-b-Poly(D,L-lactide)(MW 5,000:16,000 Da)
(Lot#: 60127JSG-A)

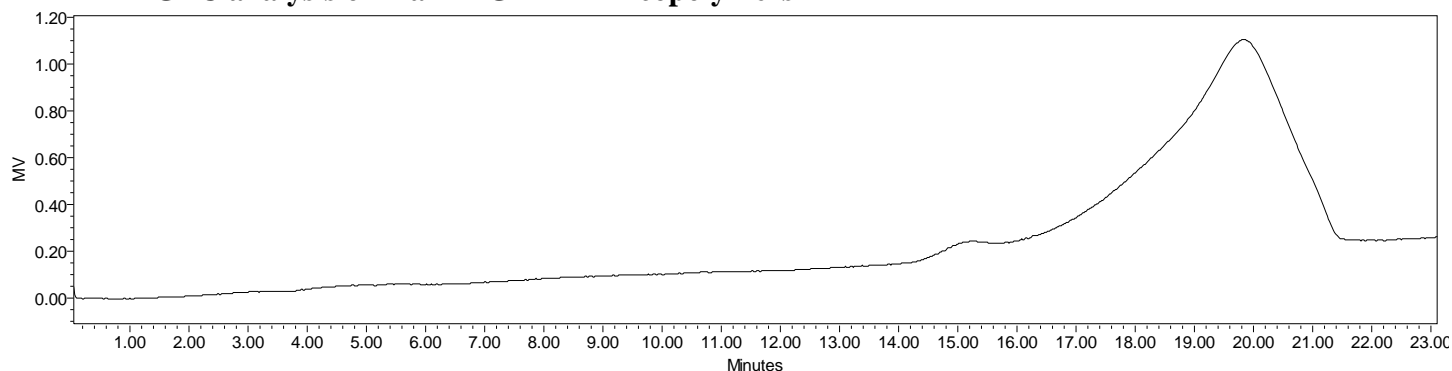


H-NMR Spectrum of Mal-PEG-PDLLA copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of repeat units: EG-LA = 102*-195 (Mn EG-LA = 4494*-14,023 (*data provided by MFG)



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

• GPC analysis of Mal-PEG-PDLLA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
Mal-PEG-PDLLA	24,877	39,691	1.60
PEG Precursor		4500*	

*-data provided by manufacturer

• Structure of Mal-PEG-PDLLA copolymers

