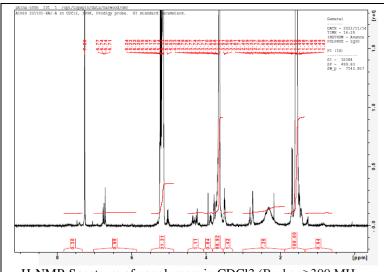
No. AI060

Certificate of Analysis

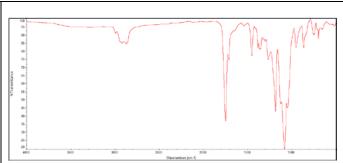


 $Product\ Name:\ Maleimide-Poly(ethylene\ glycol)-b-Poly(D,L-lactide)$

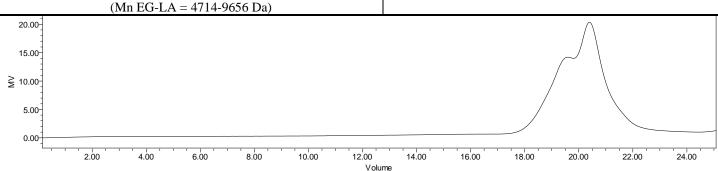
(Mw 5,000:10,000 Da) (Lot#: 231101RAI-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of Mal-PEG-PDLLA copolymer: EG-LA=107-134



FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



GPC-ES 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
Mal-PEG-PDLLA	19,236	28,033	1.46
PEG-Precursor*	4700*		

*- from MFG data

• Structure of Mal-PEG-PDLLA

Approved By: Amie Tyler Quality Manager