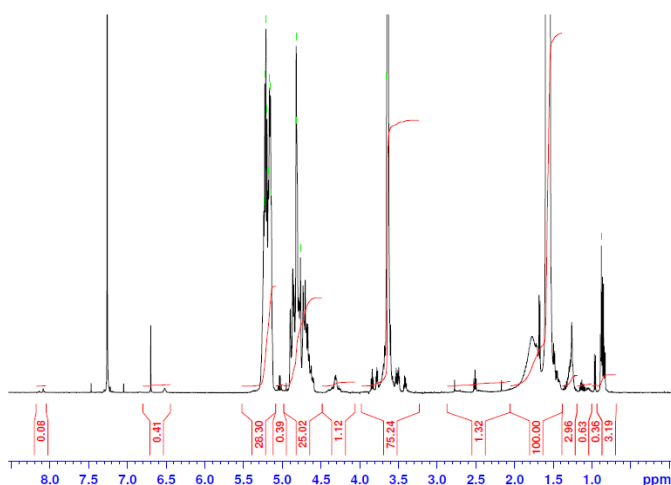


# No. AI049

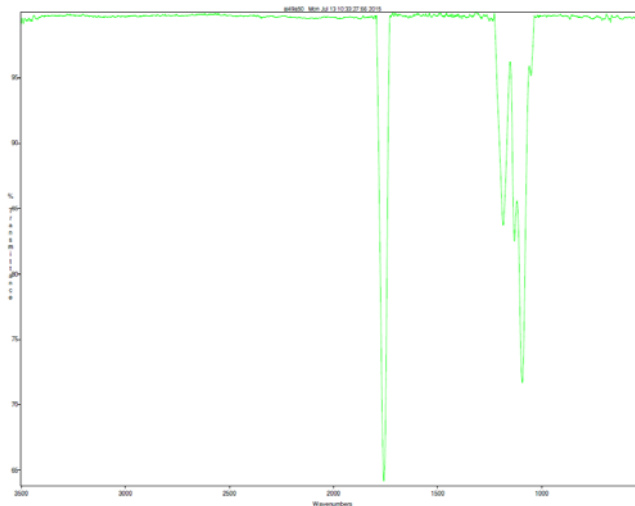
# Certificate of Analysis



Product Name: Maleimide-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic) diblock copolymers (75:25 LA:GA) ( $M_w \sim 3,400-10,000$  Da) (Lot#: 50708JSG-A)

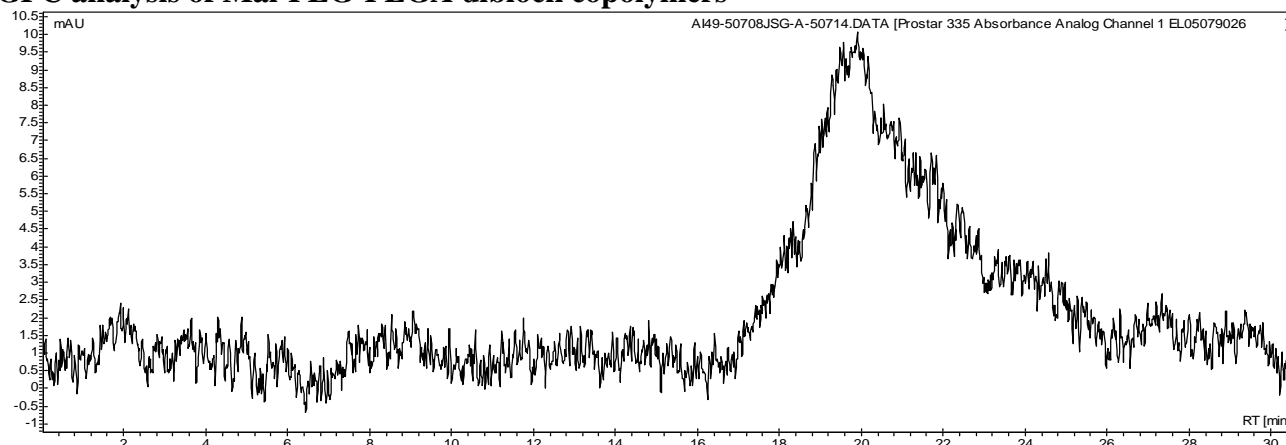


H-NMR Spectrum of Mal-PEG-PLGA diblock copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of Mal-PEG-PLGA repeat units: EG-LA/GA = 73-110/49 (Mn EG-LA/GA = 3,216-7,908/2,818)



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

## • GPC analysis of Mal-PEG-PLGA diblock copolymers

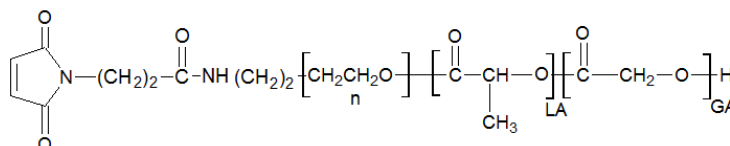


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
Mal-PEG-PLGA	9,554	14,258	1.49
Mal-PEG-OH precursor	Average Mn (GFC) 3200*		

\*-data provided by manufacturer

## • Structure of Mal-PEG-PLGA diblock copolymers



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