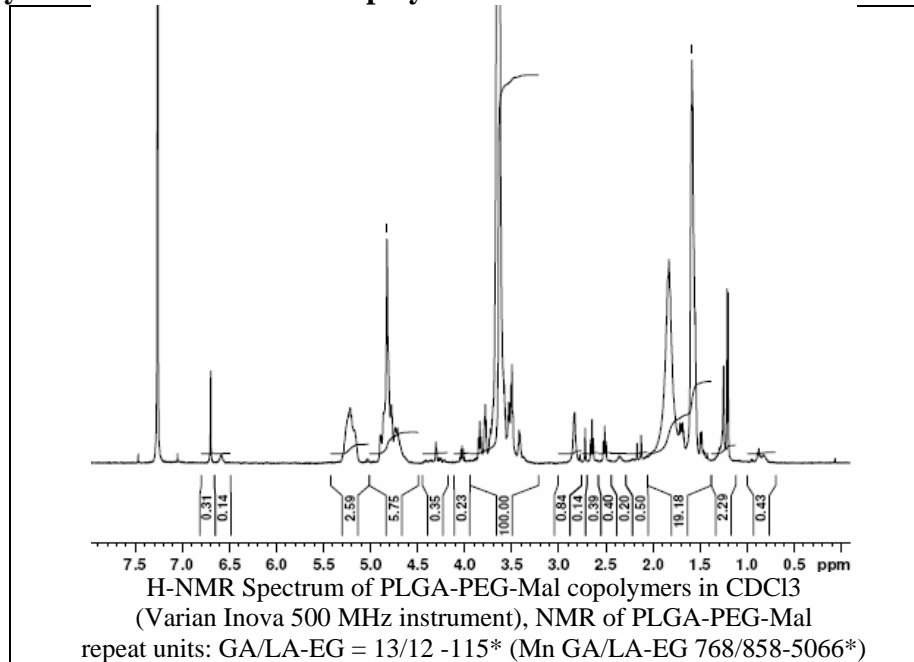


No. AI47

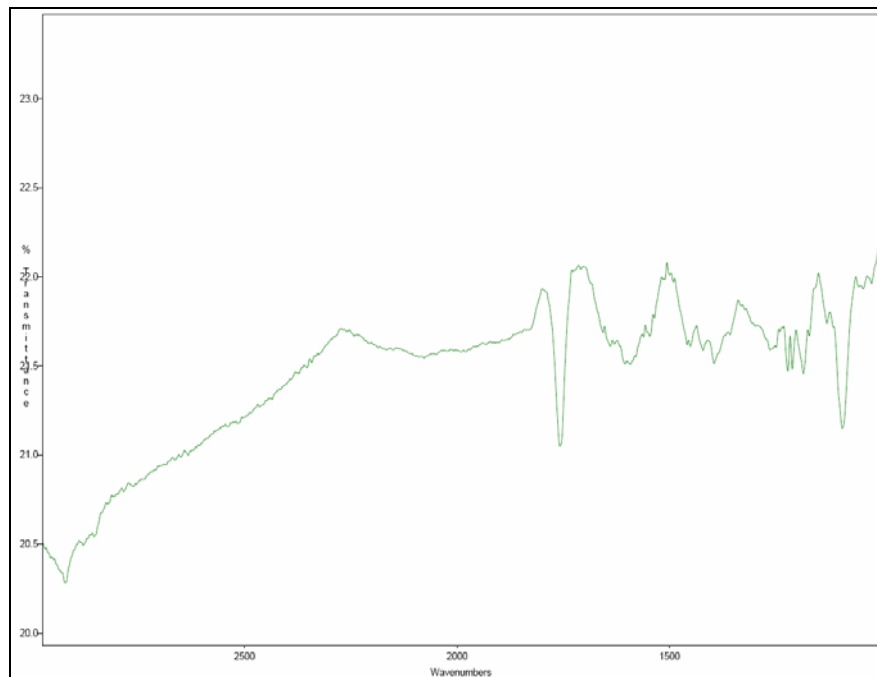
# Certificate of Analysis

Product Name: Poly(lactic-co-glycolic)-b-Poly(ethylene glycol)-Maleimide copolymers (MW~1,500- 5000Da) (Lot#: 30530JSG) (Rev:A name update)

- H-NMR analysis of PLGA-PEG-Mal copolymers**

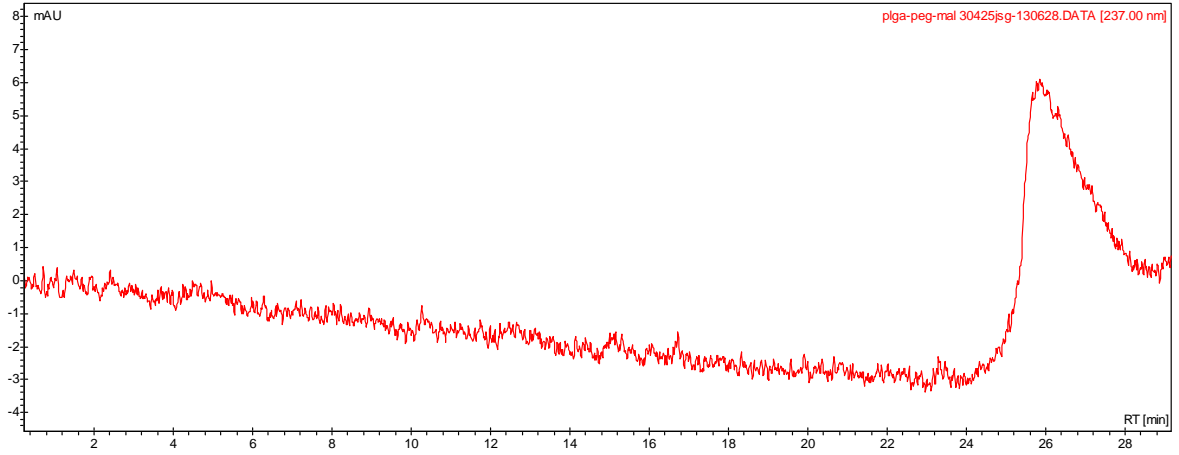


- FTIR analysis of PLGA-PEG-Mal copolymers**



Analysis Method: Collected from cast-film on KBR 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 three Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA-PEG-Mal	5132	7142	1.39
PEG precursor*	Mn-GFC: 4300*		

\*-data provided by manufacturer

- **Structure of PLGA-PEG-Mal copolymers**

