

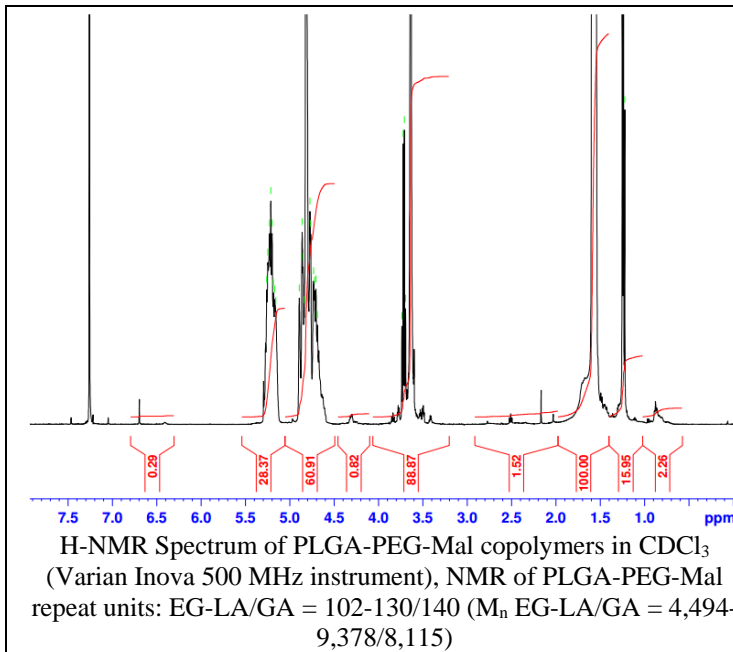
No. AI020

Certificate of Analysis

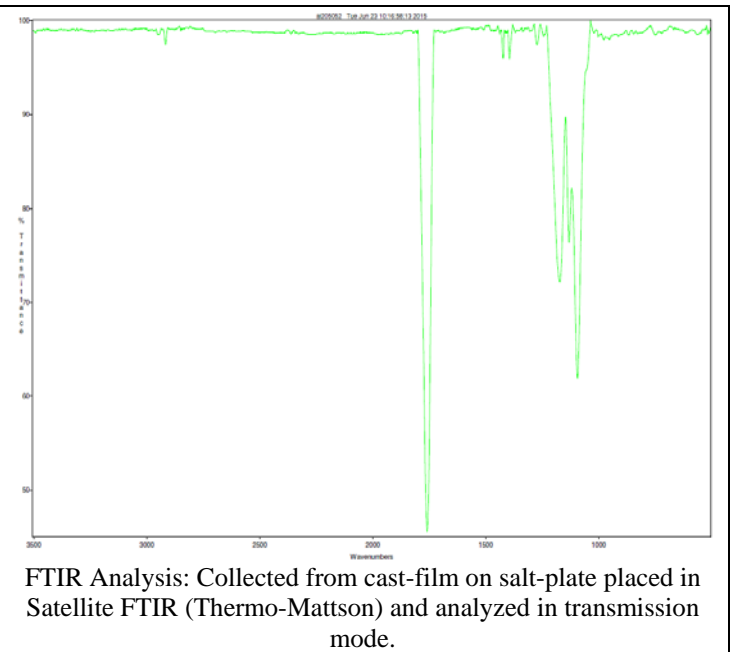


Product Name: Poly(lactic-co-glycolic)-b-Poly(ethylene glycol)-Maleimide copolymers
($M_w \sim 20,000-5,000\text{Da}$) (Lot#: 50528JSG-D) (*repurified-dialyzed*)

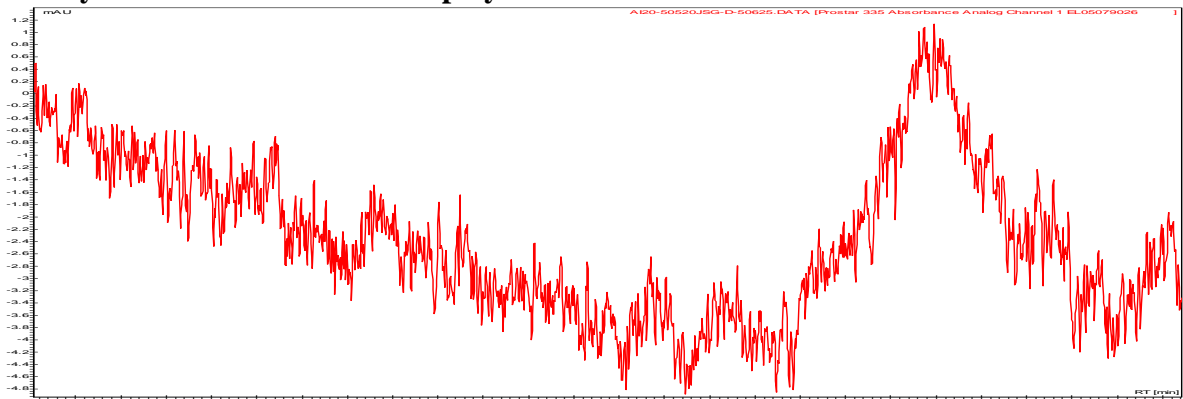
H-NMR



FTIR



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

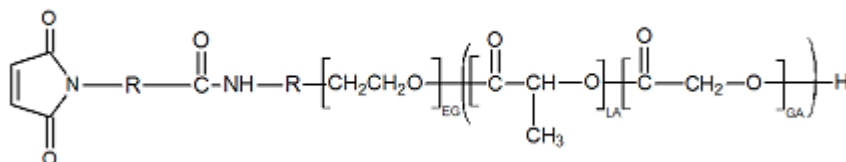


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 μm columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG-Mal	14,515	28,253	1.95
PEG Precursor	Average M_n by GFC - 4500*		

*- Data provided by manufacturer

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



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