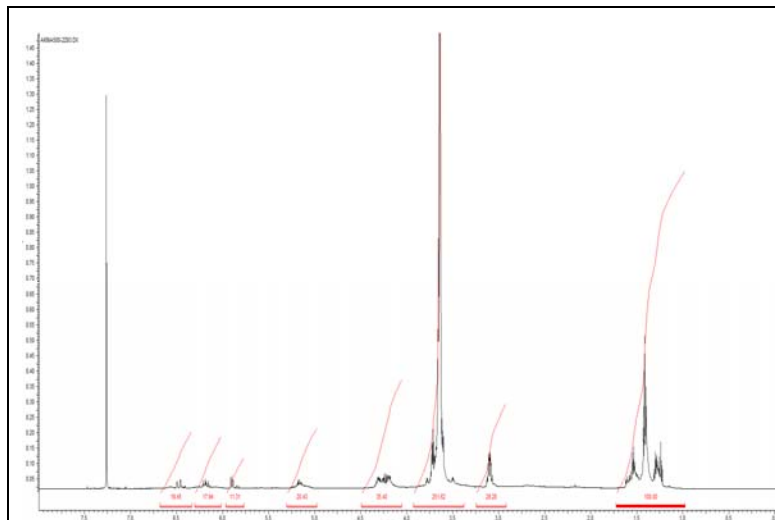
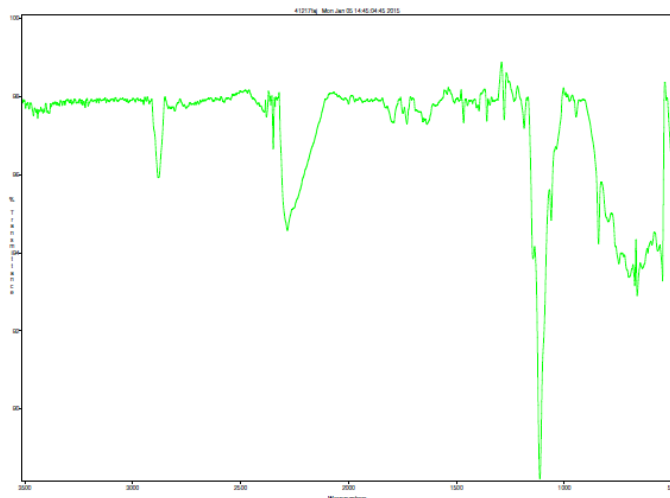


No. AI102 Certificate of Analysis

Product Name: Poly(DL-lactide)-*b*-Poly(ethylene glycol)-*b*-Poly(DL-lactide)-diacrylate triblock copolymers (72:1,000:72) (Lot#: 41217FAJ-A)

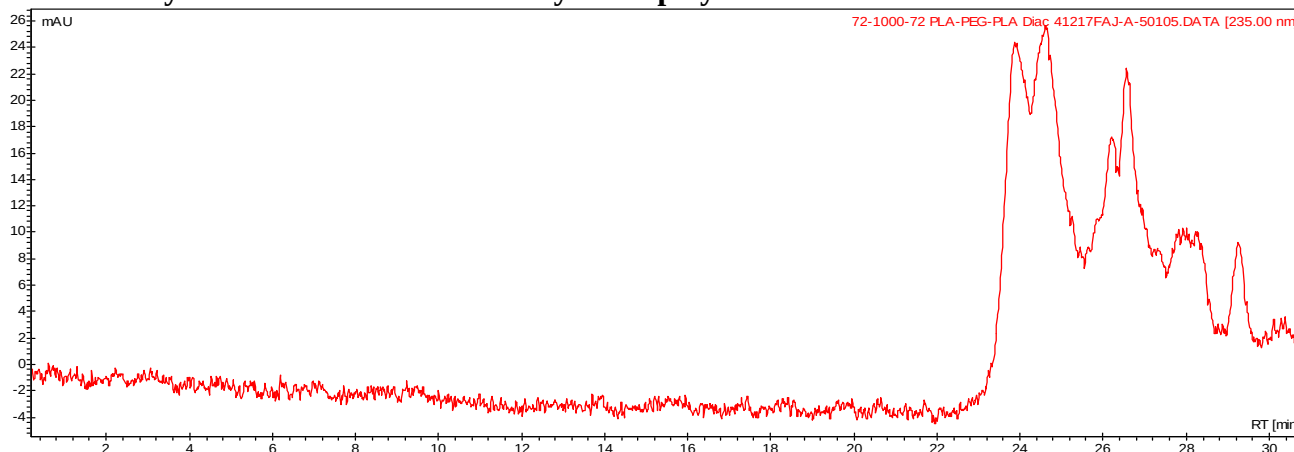


H-NMR Spectrum of PLA-PEG-PLA-diacrylate copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLA-PEG-PLA repeat units: EG-LA = 23-7, M_n EG-LA = 1013-471 Da



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

- **GPC analysis of PLA-PEG-PLA-diacrylate copolymers**

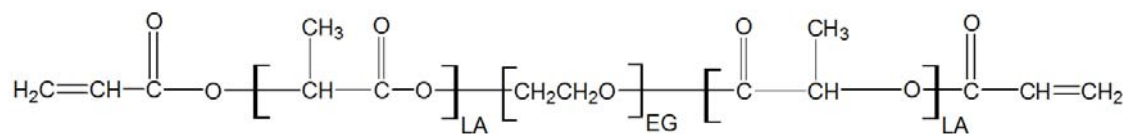


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 μ m columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards (*PEG standards).

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLA-PEG-PLA-diacrylate	1,192	1,454	1.22
PEG1000 Initiator*	1,118	1,142	1.02

*-Run separately, chromatograph not shown.

- **Structure of PLA-PEG-PLA-diacrylate copolymers**



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