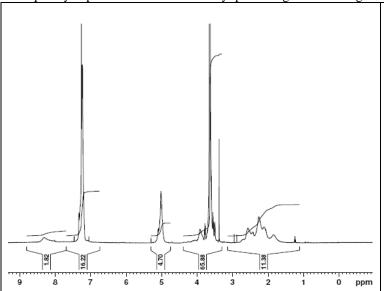
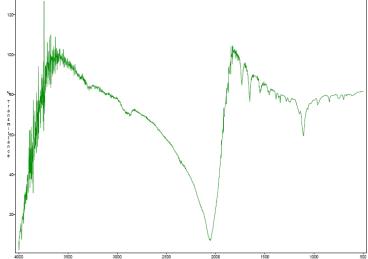
No. A007

Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-Poly(glutamic acid) copolymers REV:A *For solubility reasons, H-NMR, FTIR, and GPC analysis performed on the benzyl protected form of mPEG-PGA. Material subsequently deprotected to remove benzyl protecting unit via H2 gas/Pd catalyst method.

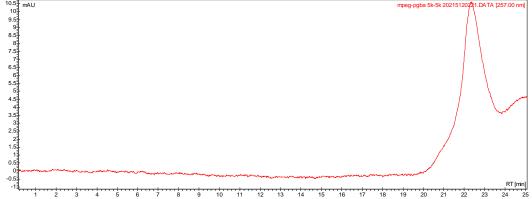


H-NMR Spectrum of mPEG-PGA copolymers in CDC13 (Varian Inova 300 MHz instrument), NMR of mPEG-PGA copolymers: EG/GA = 5022/4945



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

• GPC analysis of mPEG-PGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Resipore 3 um columns and one Mixed E column (Varian) and with UV-Vis (PDA) detection. Calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-PGA	8320	8874	1.06

• Structure of mPEG-PGA copolymers