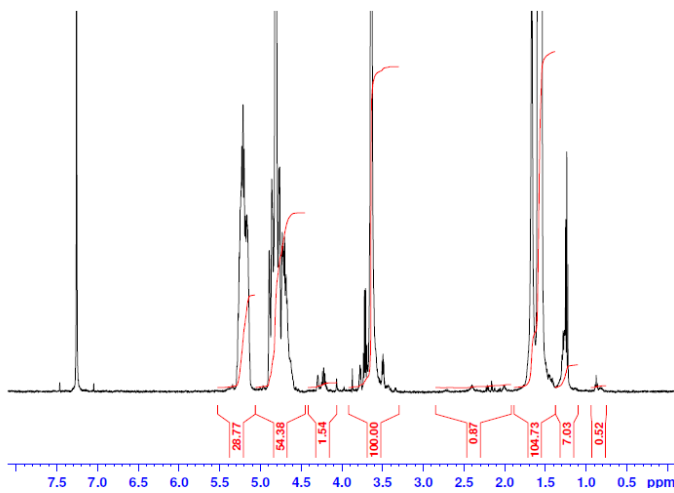


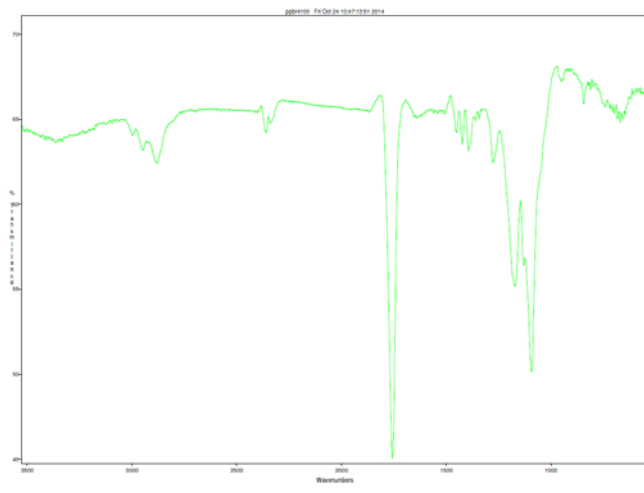
No. AI95

Certificate of Analysis

Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-Bromoacetamide copolymer
($M_w \sim 15,000:5,000$ Da) (Lot #41001JSG)

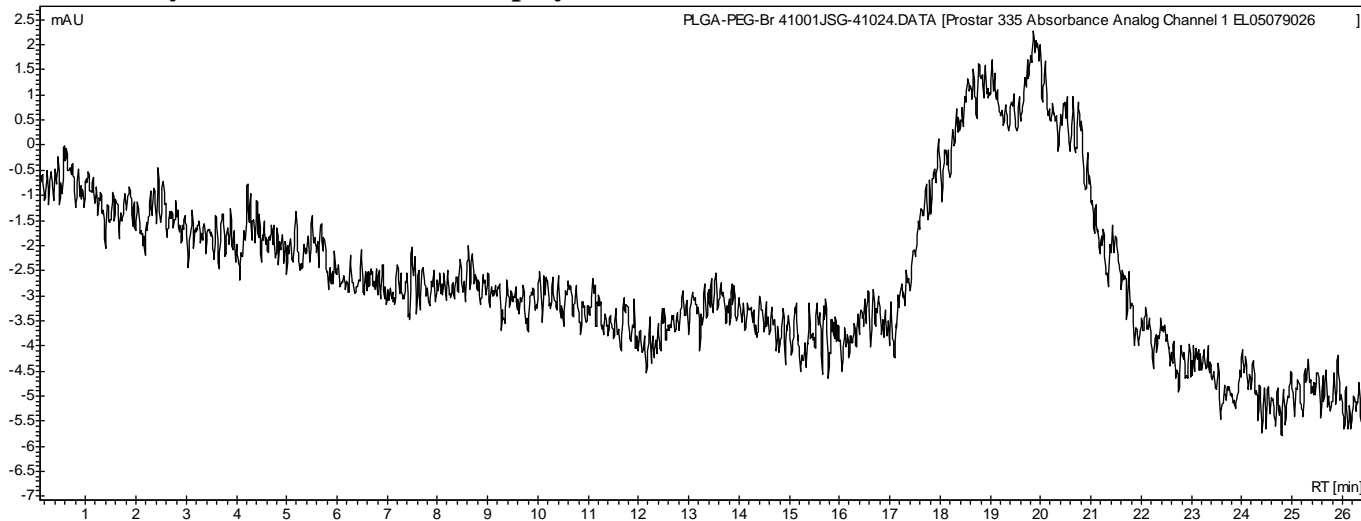


H-NMR Spectrum of PLGA-PEG-Br copolymer in $CDCl_3$ (Varian Inova 500 MHz instrument NMR of PLGA-PEG-Br repeat units: EG-LA/GA = 112*-129/122 ($M_N = 4,934^*-9,280/7,070$ Da), LA/GA = 57%/43% *Data provided by MFG, ~ Bromoacetamide peak overlaps with and is included in PEG calculations



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

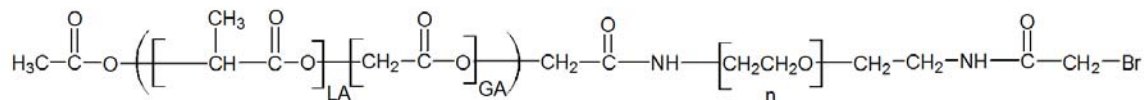
• GPC analysis of PLGA-PEG-Br copolymer



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

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG-Br	14,602	28,791	1.97
PEG Precursor	Average M_w by NMR -4900*		

• Structure of PLGA-PEG-Br copolymer



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