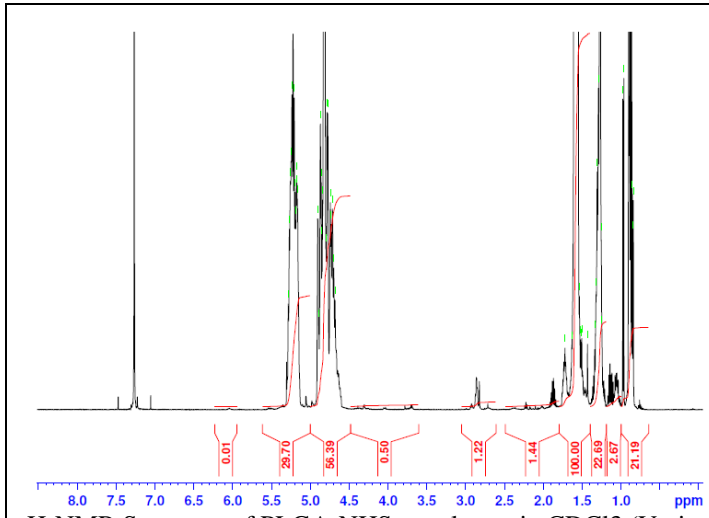
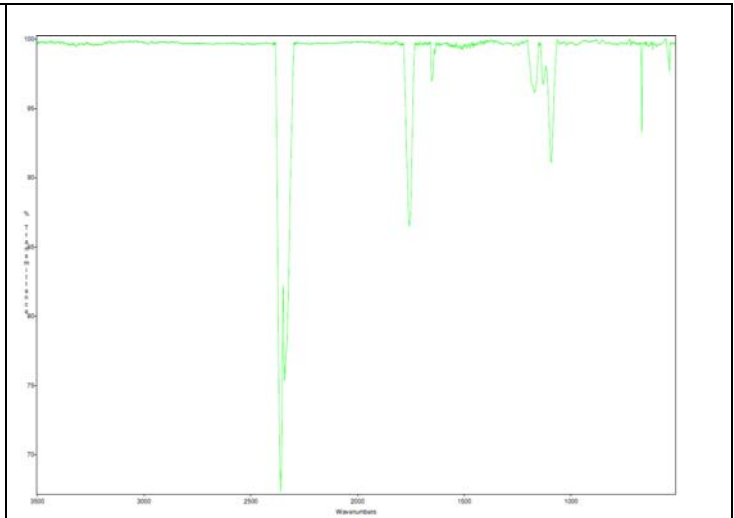


# No. AI097 Certificate of Analysis

Product Name: Poly(lactide-co-glycolide)-N-hydroxysuccinimide endcap (Mn 20,000-45,000 Da, 50:50 LA:GA) (Lot#: 60211FAJ-A)

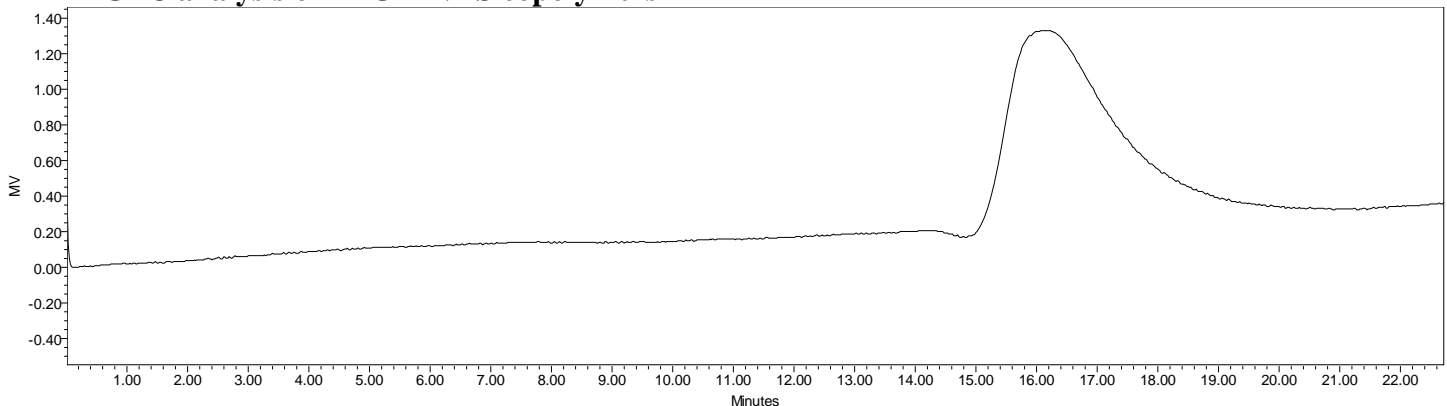


H-NMR Spectrum of PLGA-NHS copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA-NHS repeat units: LA/GA = 51:49 molar (57/43 w/w)



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

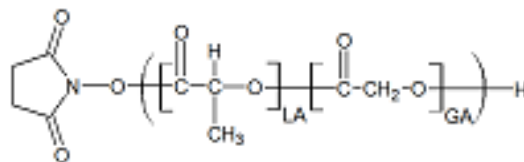
- GPC analysis of PLGA-NHS copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA-NHS	32,835	75,806	2.31

- Structure of PLGA-NHS copolymers**



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