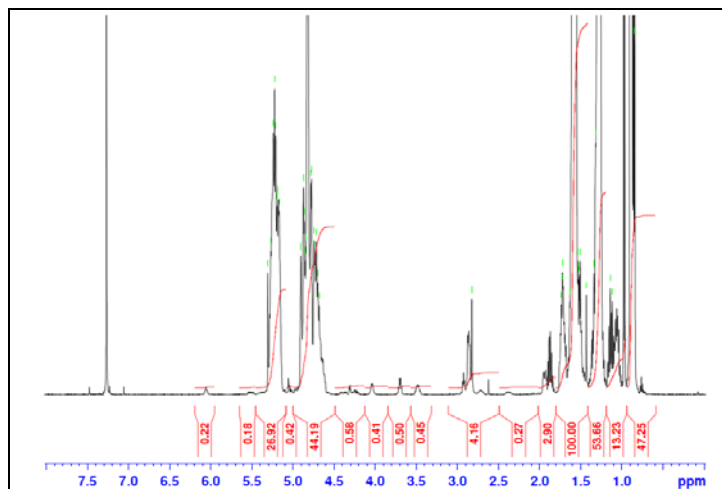


No. AI097

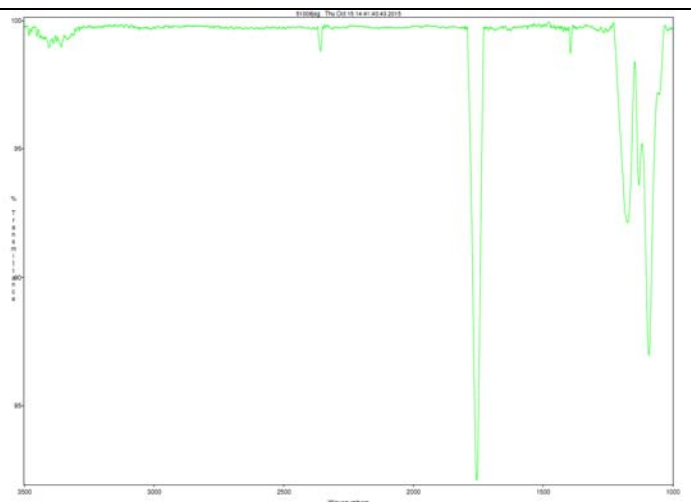
Certificate of Analysis



Product Name: Poly(lactide-co-glycolide)-N-hydroxysuccinimide endcap (Mw ~ 30,000 Da, 50:50 LA:GA) (Lot#: 51008JSG)

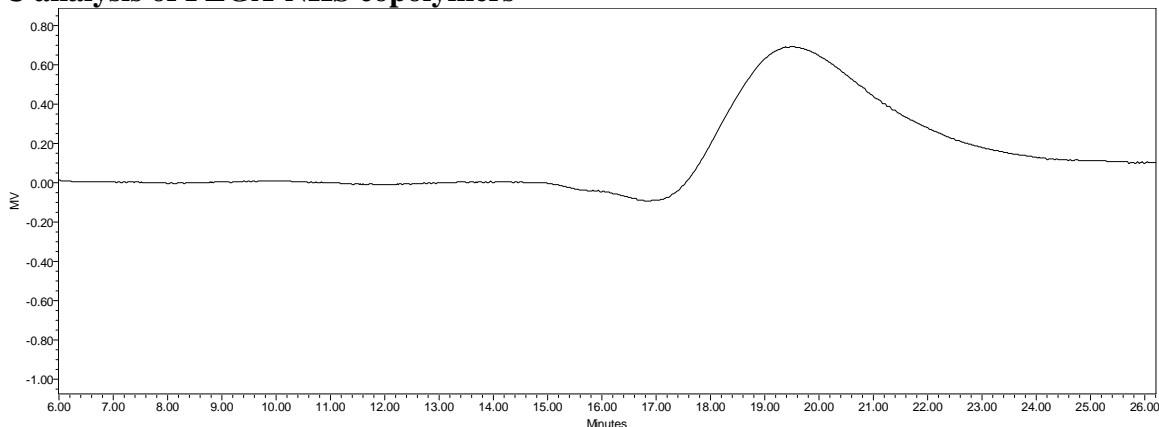


H-NMR Spectrum of PLGA-NHS copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA-NHS repeat units:
LA/GA = 55:45 molar (60/40 w/w)



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

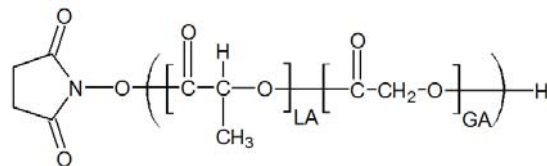
- **GPC analysis of PLGA-NHS copolymers**



Analysis Method: Waters Breeze 2 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	20901	35082	1.68

- **Structure of PLGA-NHS copolymers**



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

PolySciTech Division of Akina, Inc. | 3495 Kent Avenue, West Lafayette, IN 47906
765-464-0390 | www.polysciotech.com

For research use only.