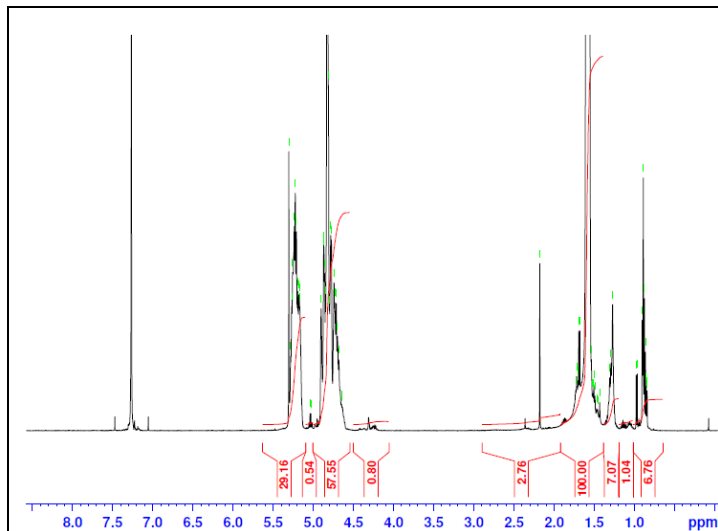


# No. AP041

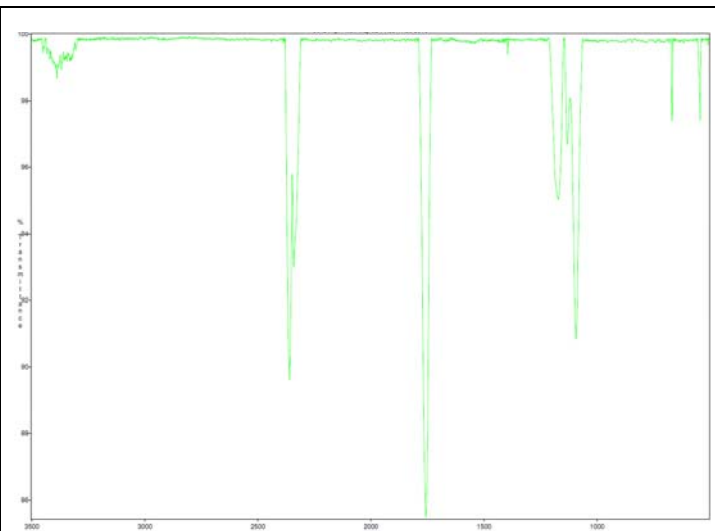
# Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA) (Mn: 10,000-15,000 Da)  
(Lot#: 60421MJK-A)

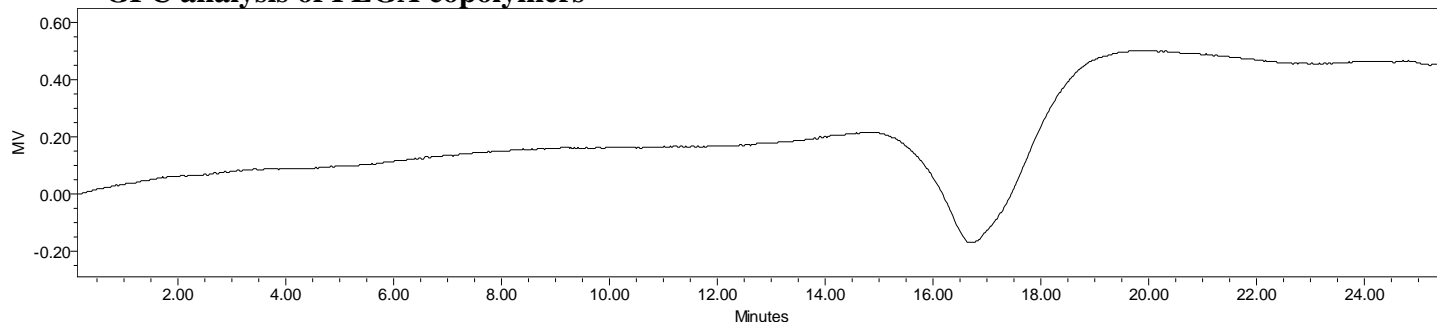


H-NMR Spectrum of PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
LA/GA = 50%/50% molar ratio (56%/44% w/w)



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

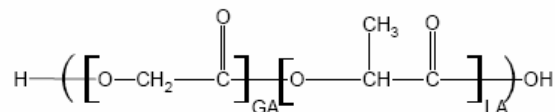
## • GPC analysis of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across two Phenogel 5  $\mu$ m columns and one PLGel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	14,443	27,752	1.92

## • Structure of PLGA 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

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