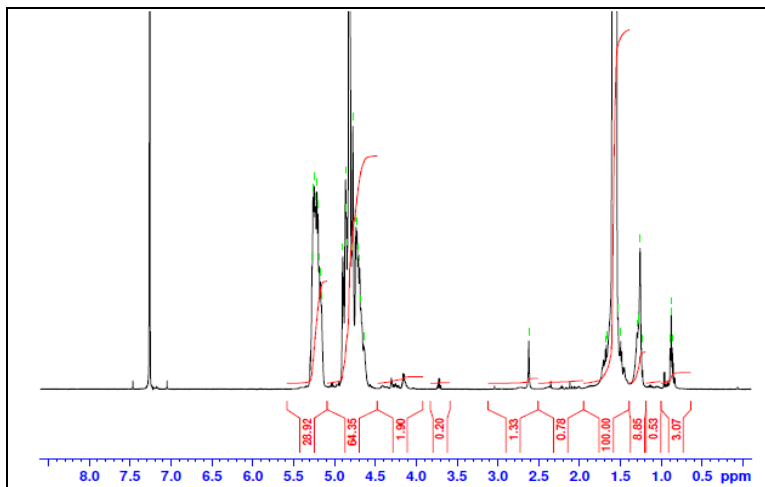


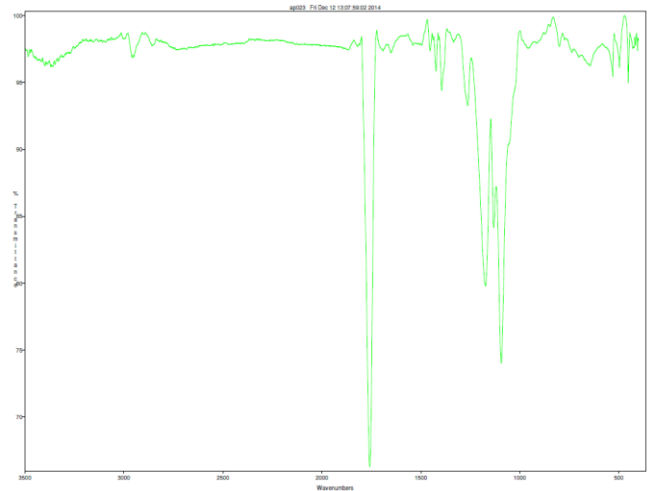
# No. AP023

# Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid) ester endcapped (50:50 LA:GA,  
 $M_n$ : 10,000-15,000 Da) (Lot #: 41201JCH) REV:A

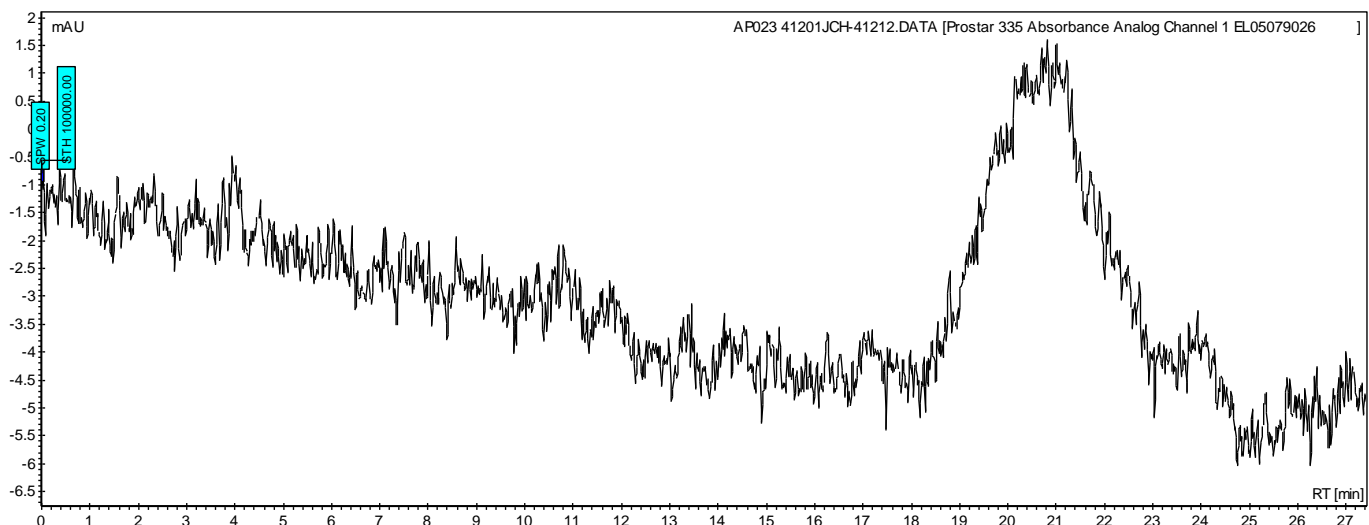


H-NMR Spectrum of PLGA copolymers in  $CDCl_3$  (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
 LA/GA = 48%/52% molar ratio (53%/47% w/w)



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

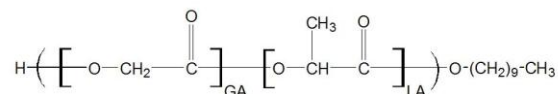
- GPC analysis of PLGA copolymers**



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

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	12,120	22,761	1.88

- 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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