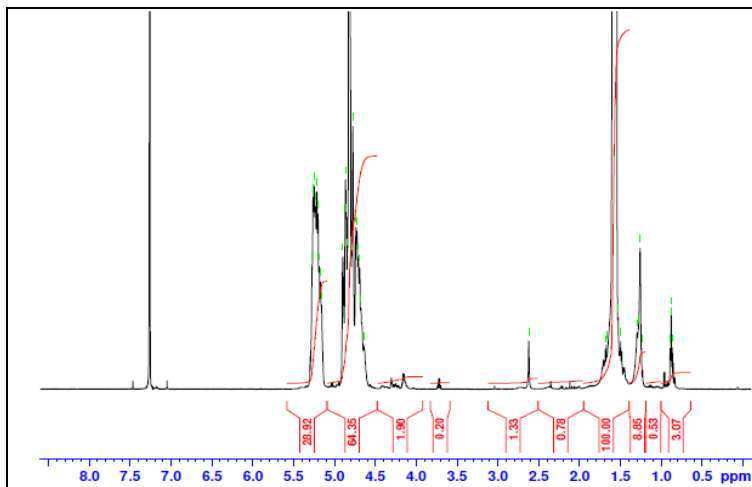


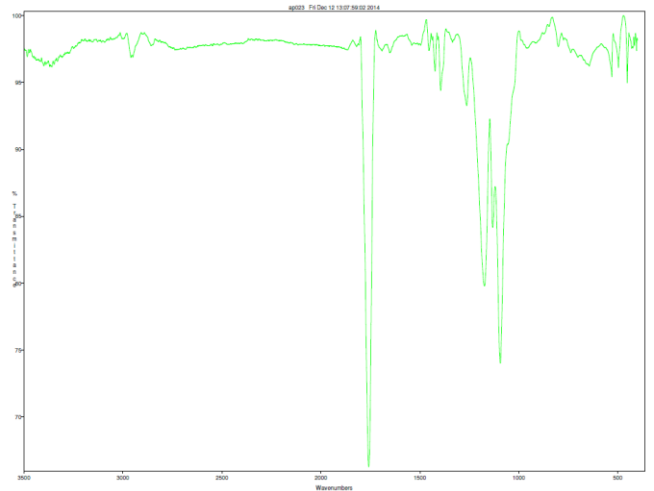
# No. AP023

# Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid) ester endcapped (50:50 LA:GA,  
M<sub>n</sub>: 10,000-15,000 Da) (Lot #: 41201JCH) REV:A

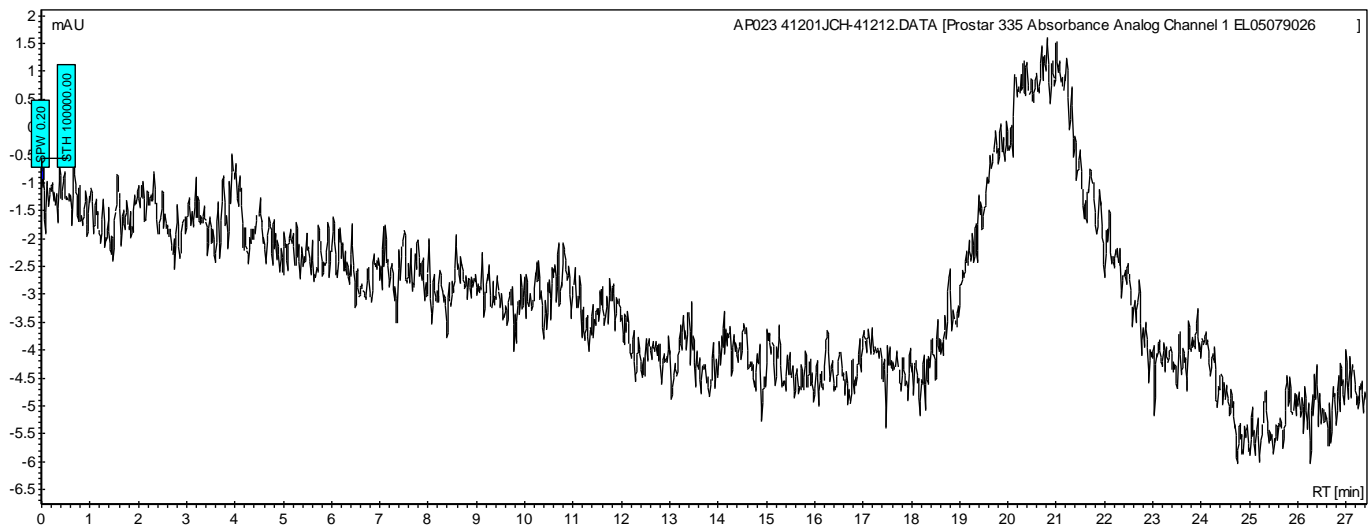


H-NMR Spectrum of PLGA copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
LA/GA = 48%/52% molar ratio (53%/47% w/w)



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

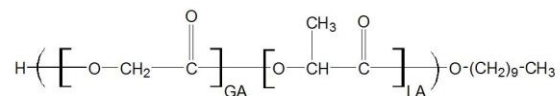
- **GPC analysis of PLGA copolymers**



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	12,120	22,761	1.88

- **Structure of PLGA copolymers**



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