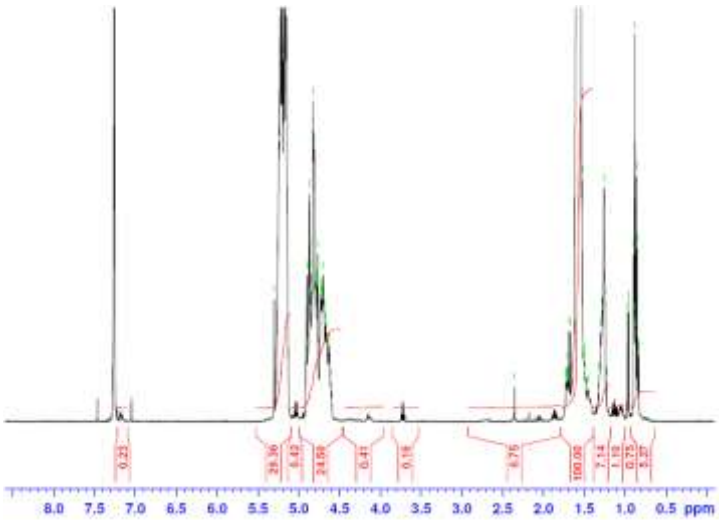
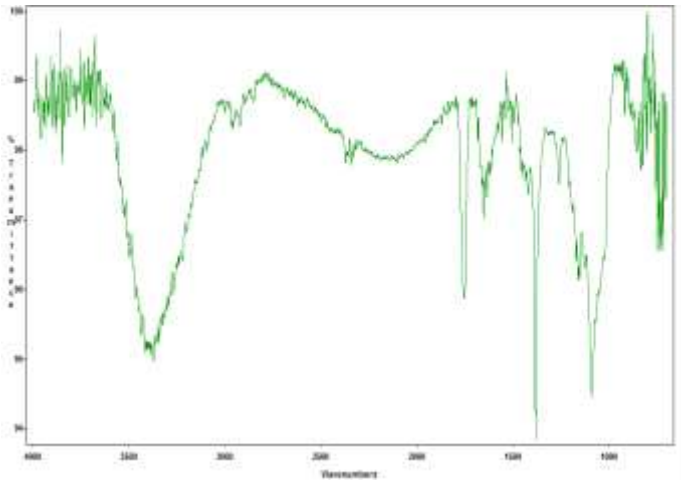
No. AP054 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic) copolymers ester endcap (75:25 LA:GA, Mn: 25,000 - 35,000 Da) (Lot#: 50120BAK) REV:A

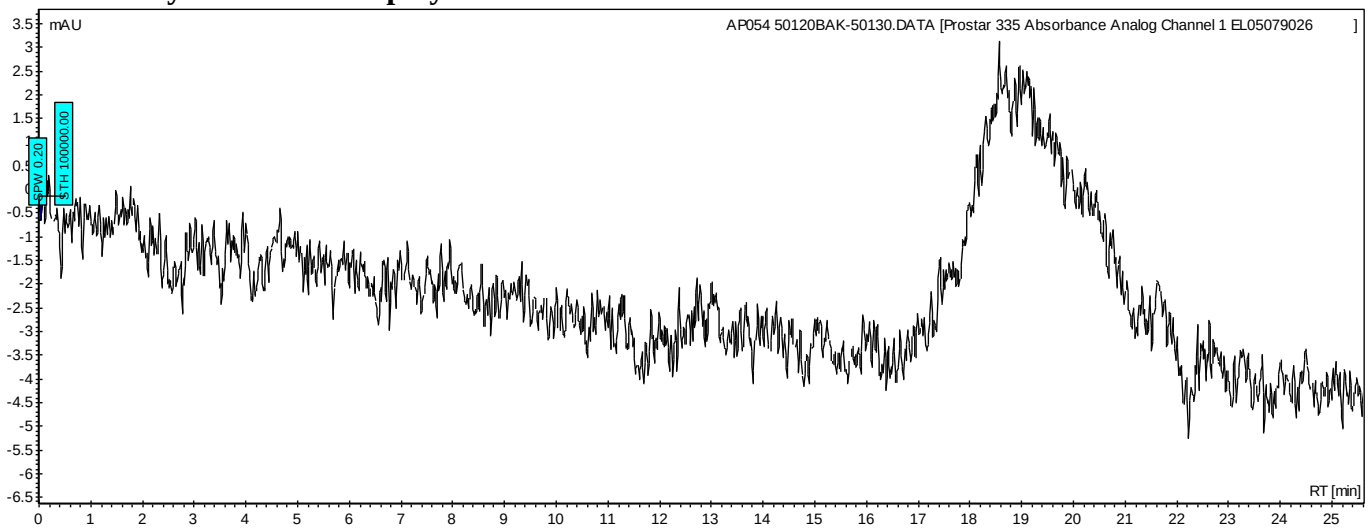


H-NMR Spectrum of PLGA copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: LA/GA = 71%/29% molar ratio (75%/25% w/w)



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

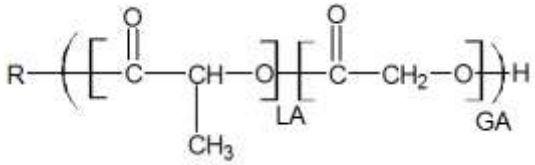
- **GPC analysis of PLGA copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	32,641	74,999	2.30

- **Structure of PLGA copolymers**



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