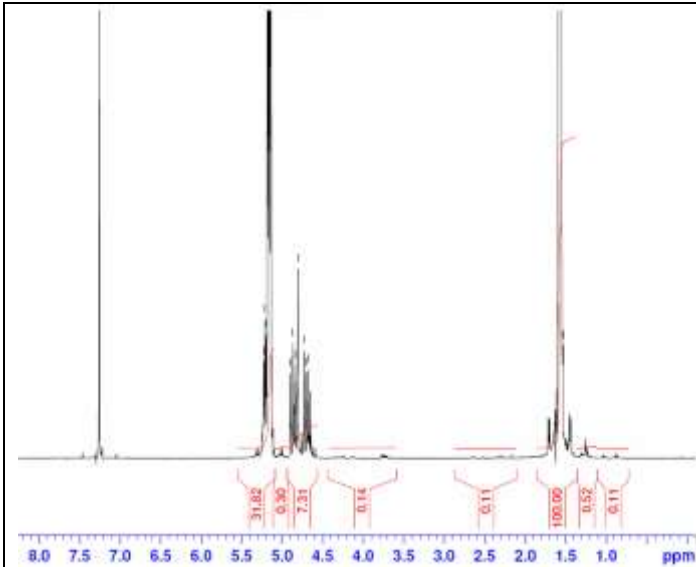


No. AP49

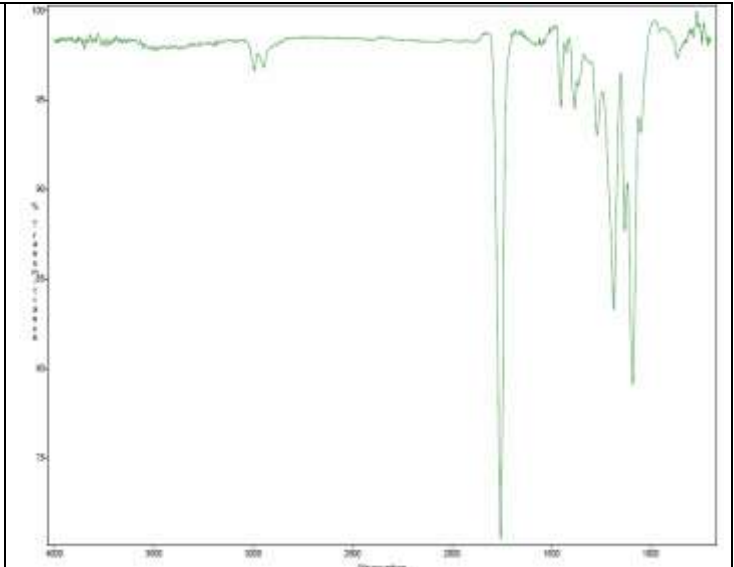
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) acid endcapped (90:10 LA:GA, MW~ 185,000 Da)
(Lot#: 1111305) REV:A

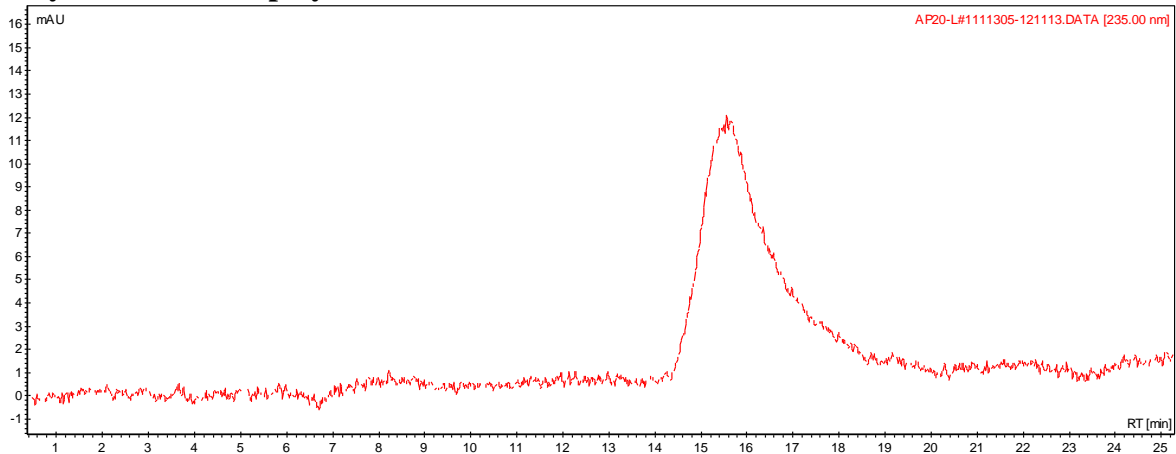


H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 11%/89% molar ratio (9%/91% w/w)



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 one PLGel Mixed-D column and one PLGel Mixed-E column and one phenogel 5u column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	142,865	227,186	1.59

- **Structure of PLGA copolymers**



This specific batch is distributed by Akina, Inc. on behalf of original manufacturer. Quality testing was performed in-house by Akina, Inc. prior to sale and is as shown here.

This batch manufactured in China.

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