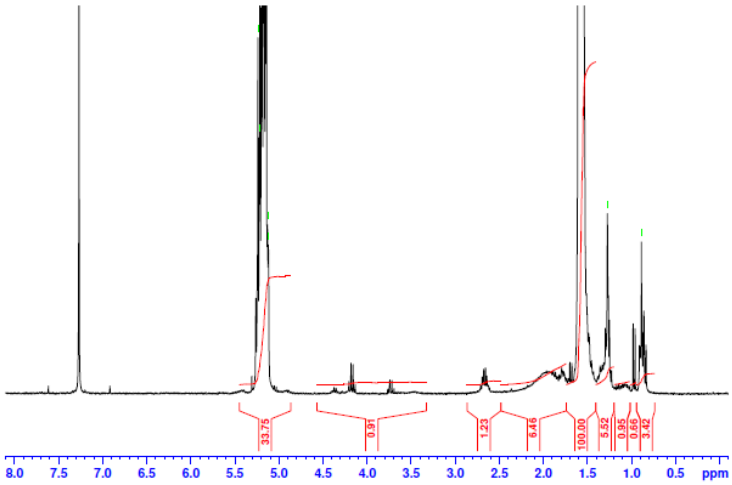
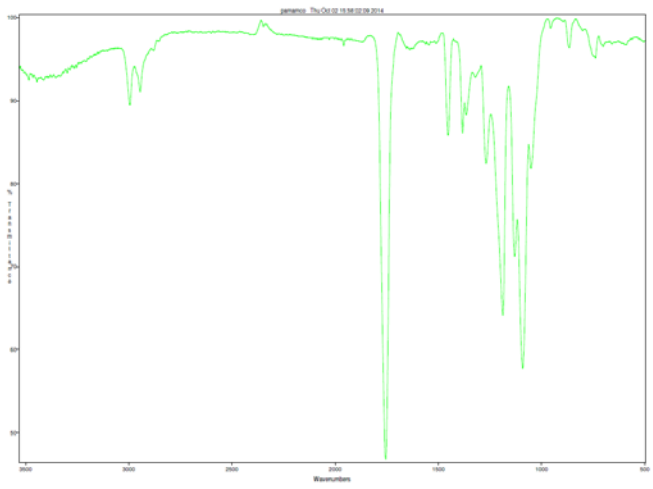
No. AI94 Certificate of Analysis

Product Name: Poly(amido amine) 32-arm dendrimer initiated P(DL)La (15,000/arm) carboxylic acid endcapped star polymer (Lot#: 40926JSG)

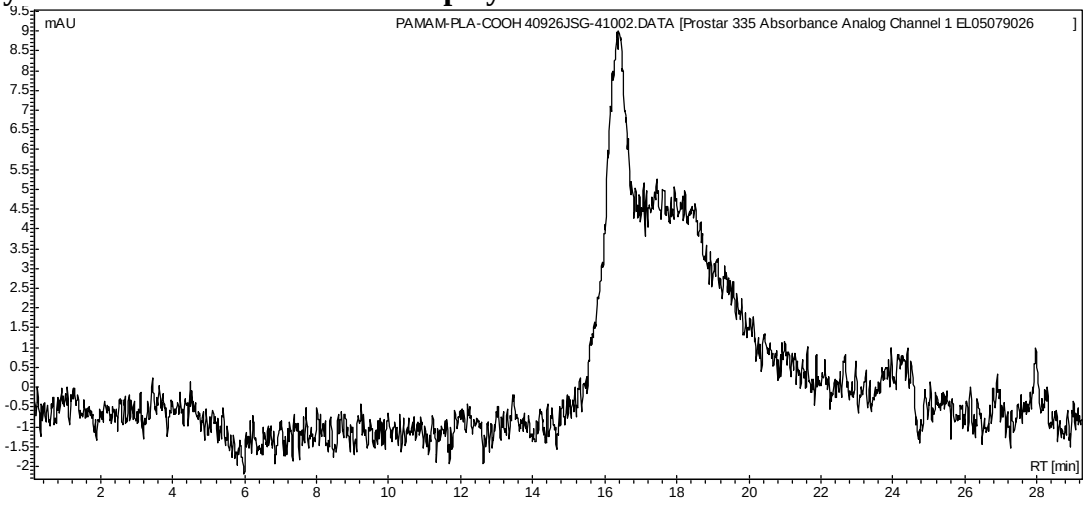


H-NMR Spectrum of PLA copolymer in CDCl3 (Varian Inova 300 MHz instrument)



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

- **GPC analysis of PAMAM-PLA-COOH copolymers**

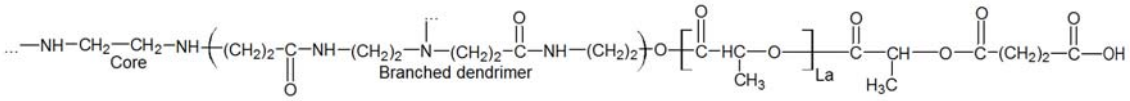


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PAMAMO-PLA-COOH*	37,140	91,938	2.48

* - star polymer compared with linear standards, offers approxiamation of distance across core.

- **Structure of PAMAM-PLA-COOH copolymers**



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