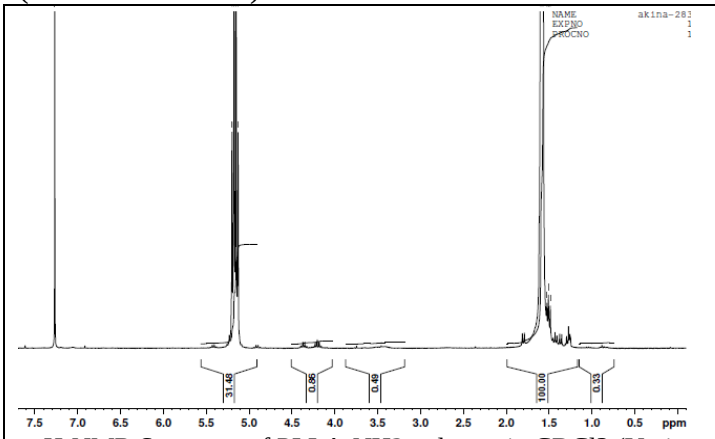
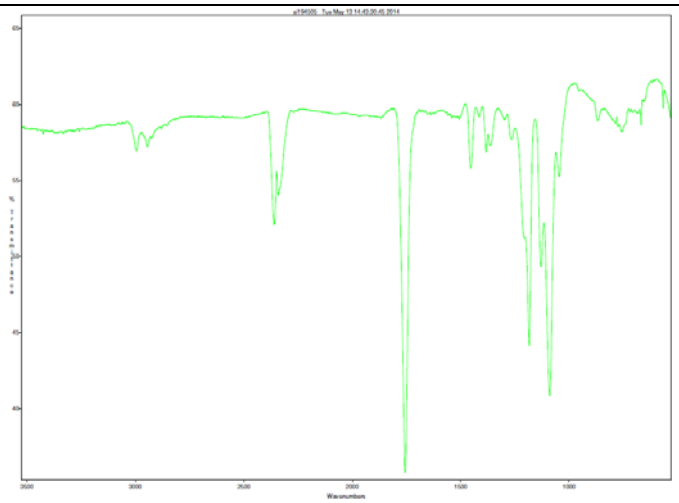
No. AI19 Certificate of Analysis

Product Name: Poly(L-lactic) acid-amine endcap (M_W ~ 40,000 Da)
(Lot#: 40505SMS)

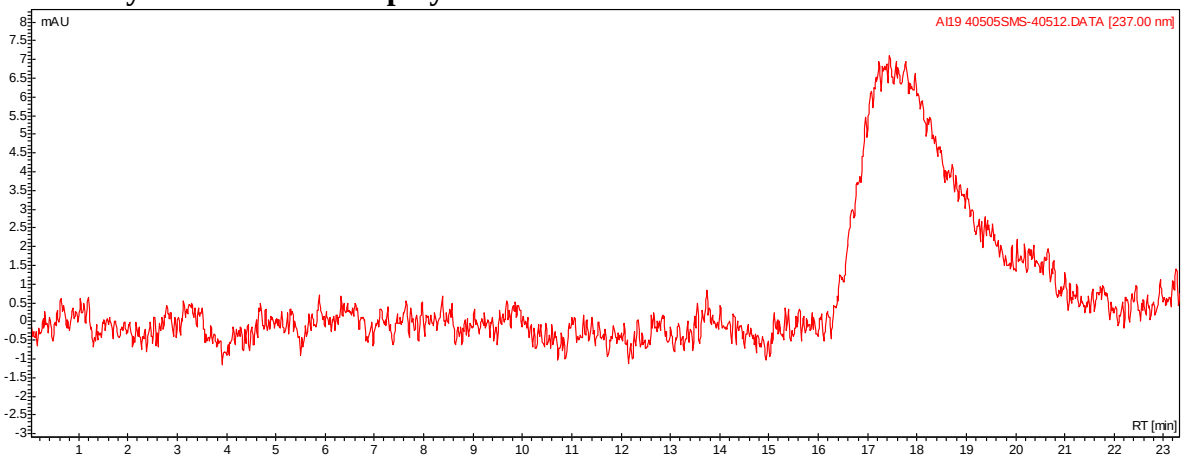


H-NMR Spectrum of PLLA-NH2 polymer in CDCl3 (Varian Inova 300 MHz instrument)



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

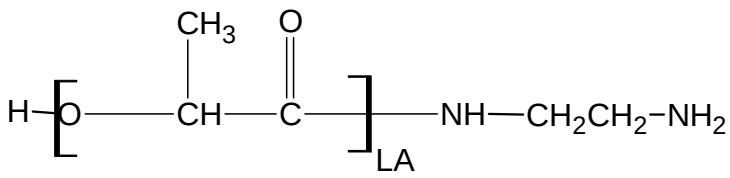
- **GPC analysis of PLLA-NH2 polymer**



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

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLLA-NH2	22905	44,401	1.94

- **Structure of PLLA-NH2 polymer**



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