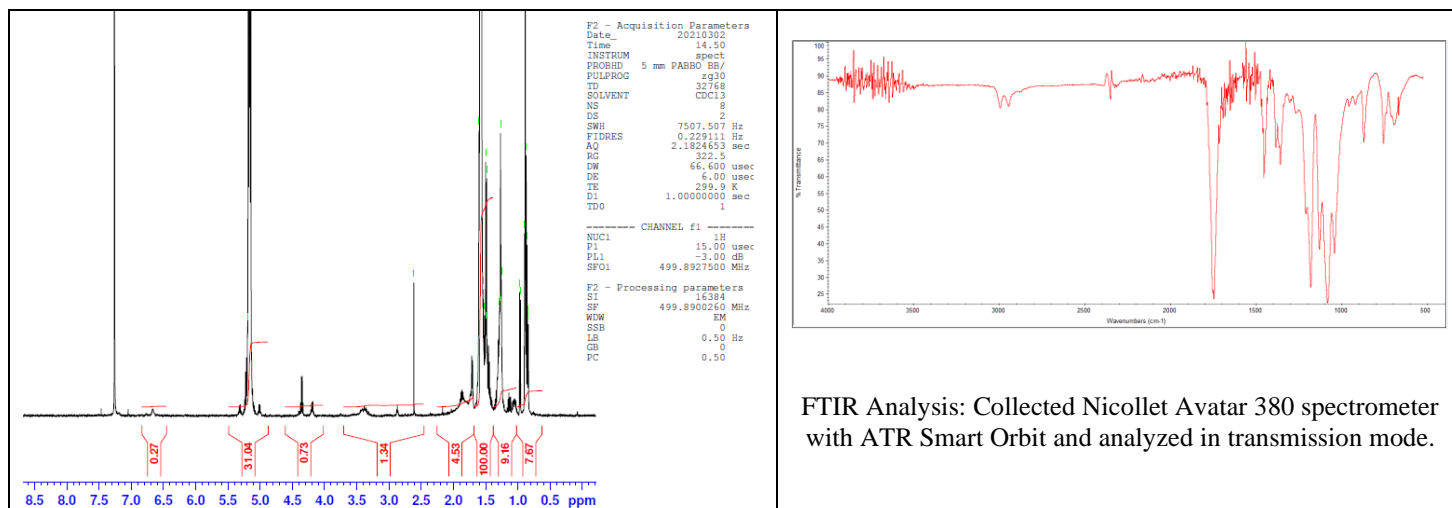


No. AI029

Certificate of Analysis

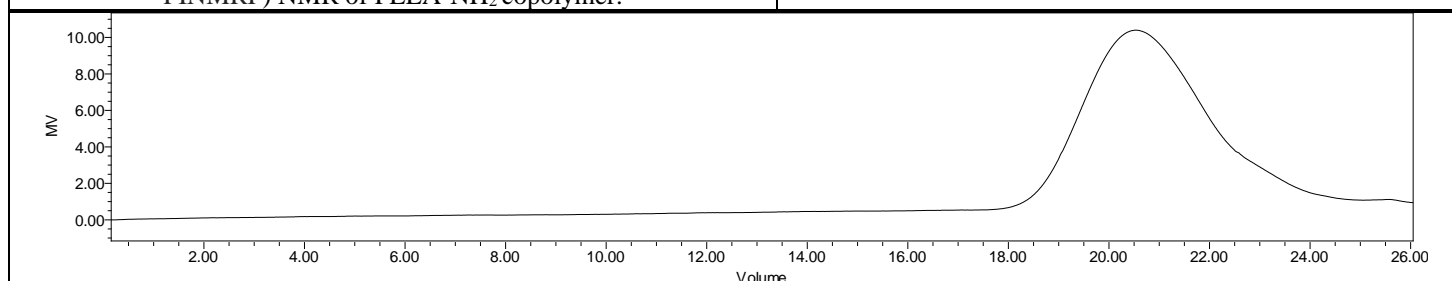


Product Name: Poly(L-lactic) acid-amine endcap (Mn: 10,000 - 20,000Da)
(Lot#: 210218RAI-A)



FTIR Analysis: Collected Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

H-NMR Spectrum of copolymers in CDCl₃ (Bruker ≥300 MHz, PINMRF) NMR of PLLA-NH₂ copolymer.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLLA-NH ₂	11,665	20,011	1.72

- Structure of PLLA-NH₂**

