

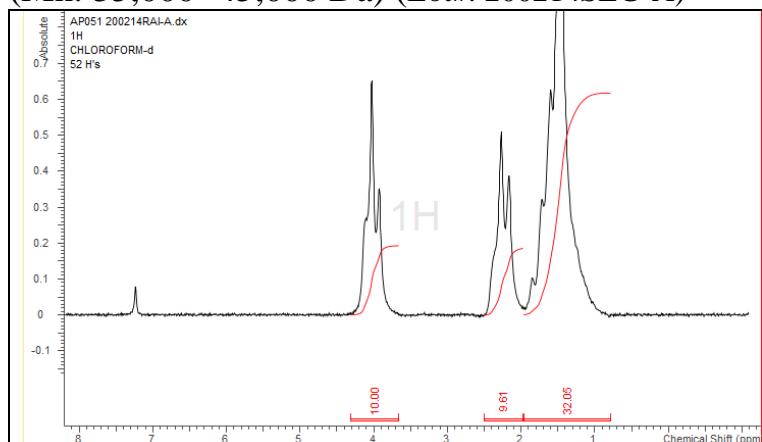
# No. AP051

# Certificate of Analysis

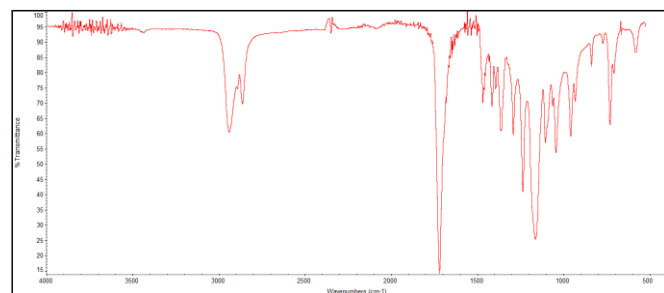


Product Name: Poly(caprolactone) polymer free-acid endcap

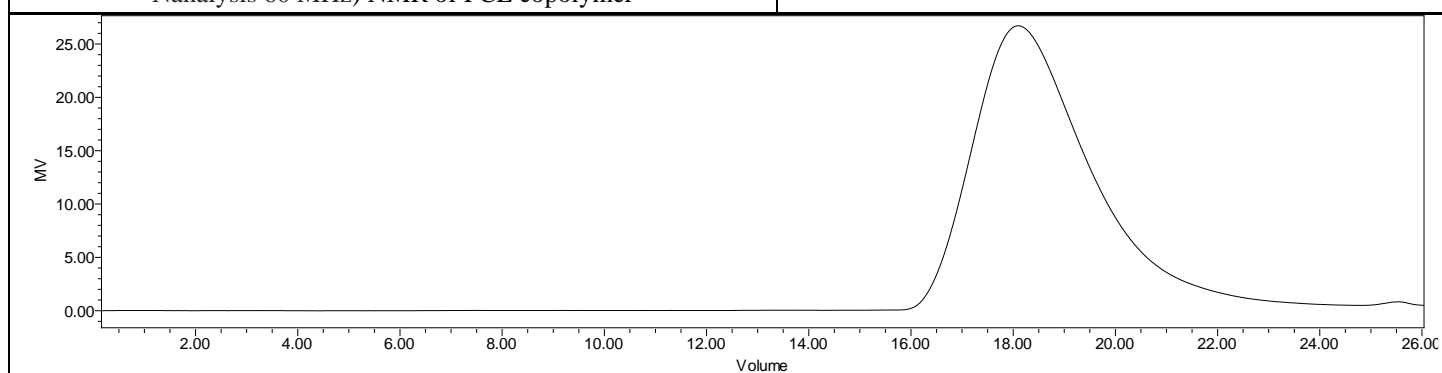
(Mn: 35,000- 45,000 Da) (Lot#: 200214SLG-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PCL copolymer



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PCL	44,201	86,912	1.97

- Structure of PCL polymer

