

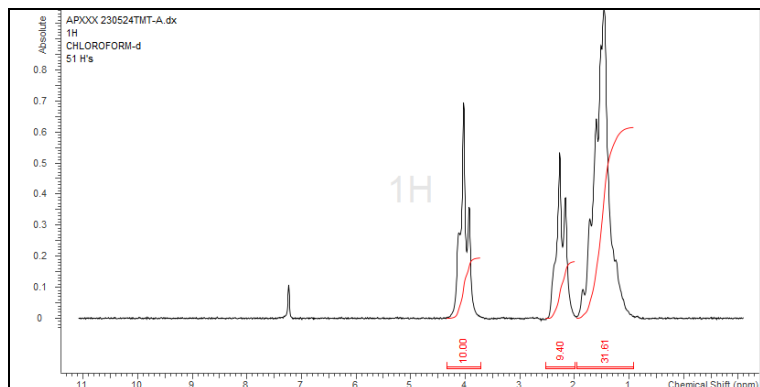
No. AP294

Certificate of Analysis

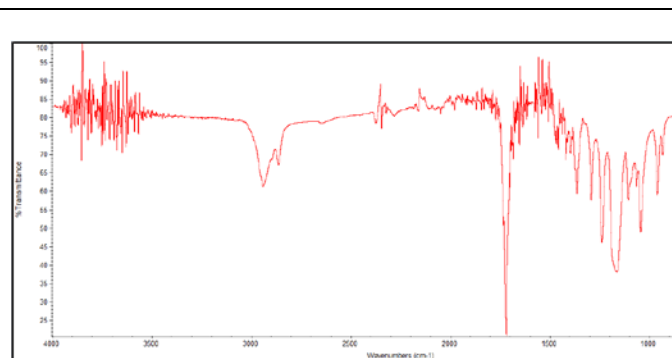


Product Name: Poly(caprolactone)-ester endcap polymer

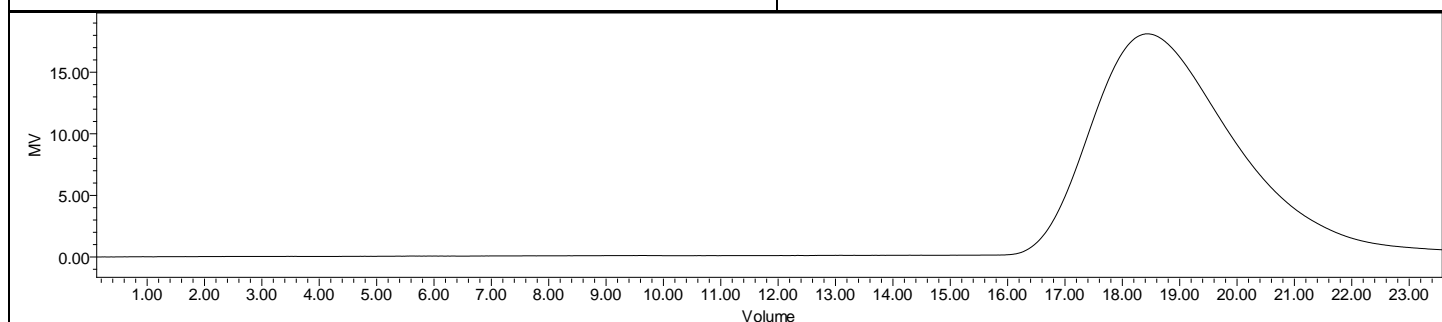
(M_n: 45,000-55,000 Da) (Lot#: 230524TMT-A)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PCL Copolymer



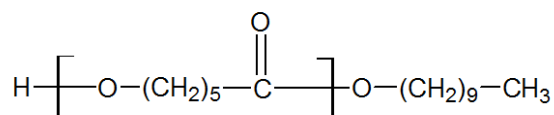
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



GPC-ES 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
PCL	46,256	71,943	1.56

• Structure of PCL copolymers



Approved By:
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Quality Manager