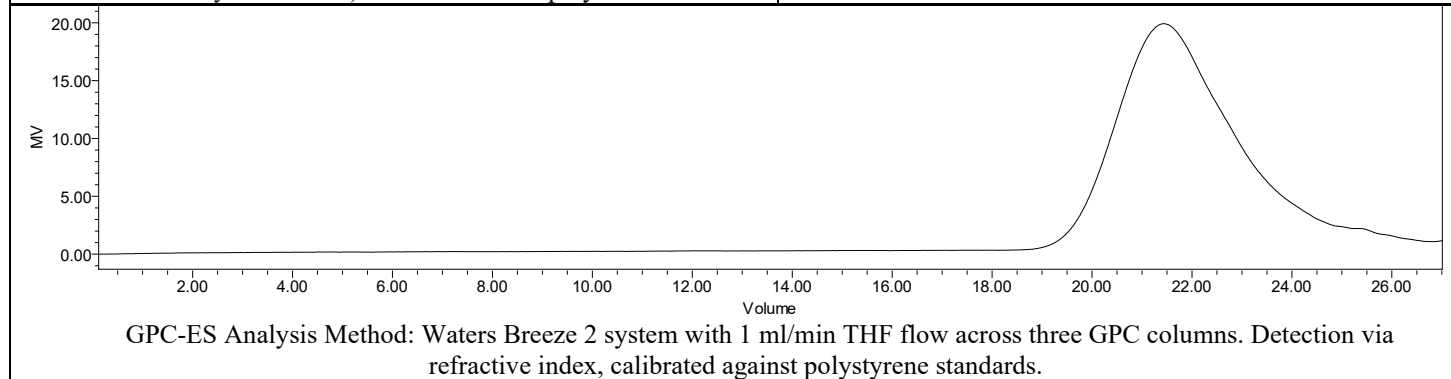
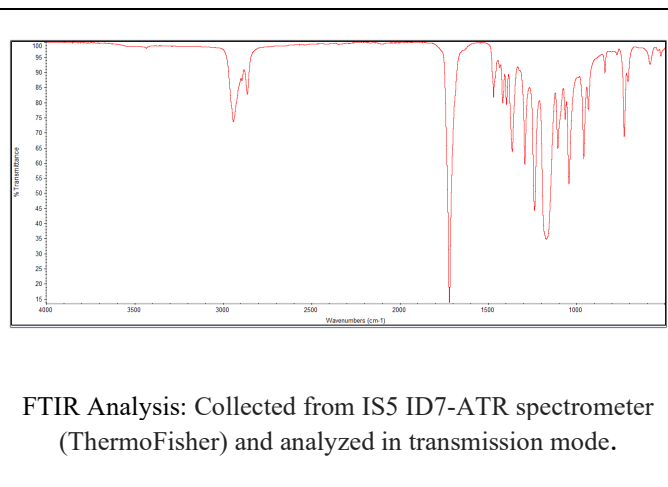
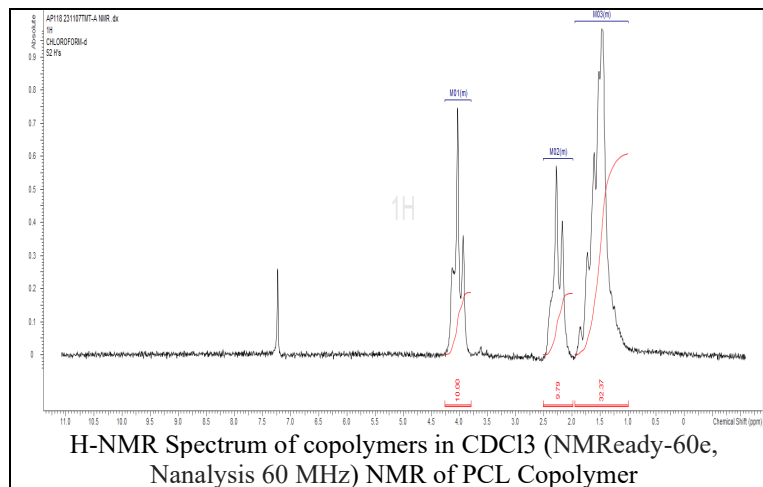


No. AP118

Certificate of Analysis

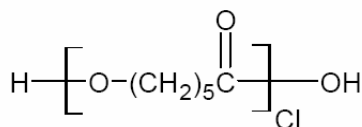


Product Name: Poly(caprolactone) copolymers free-acid endcap (Mn: 1,000- 5,000 Da)
(Lot#: 231107TMT-A)



Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PCL	4811	9215	1.92

Structure of PCL copolymers



Approved By:
Amie Tyler
Quality Manager