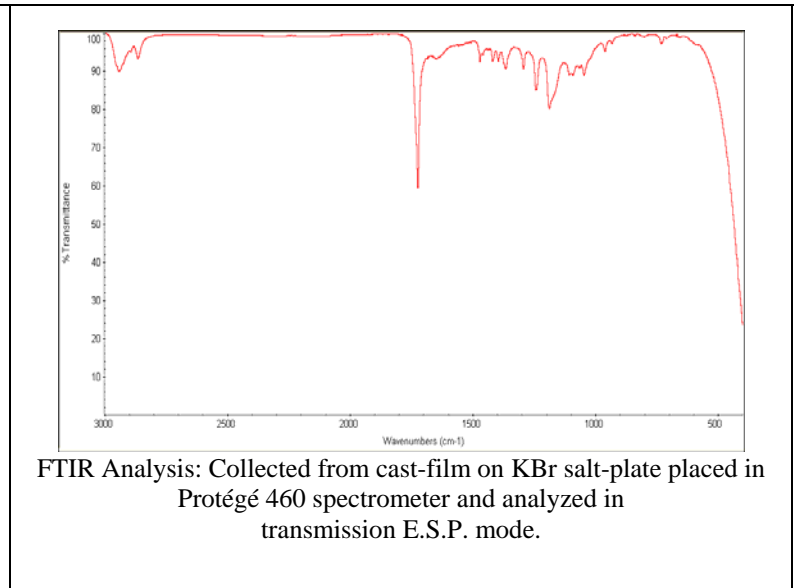
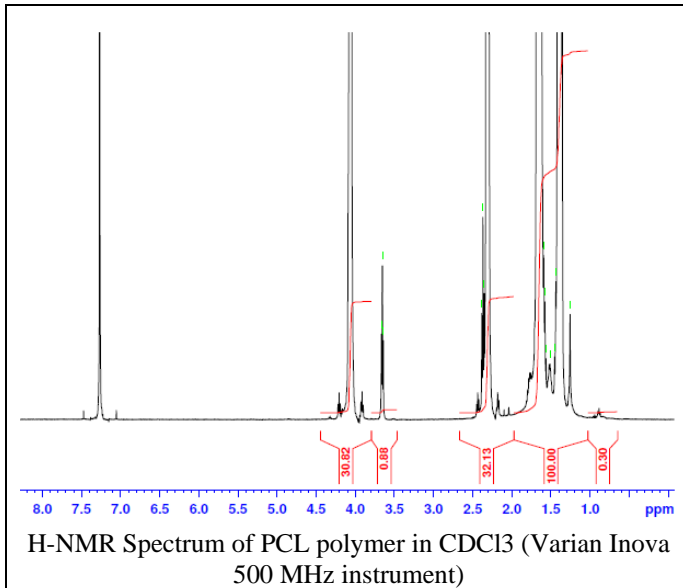


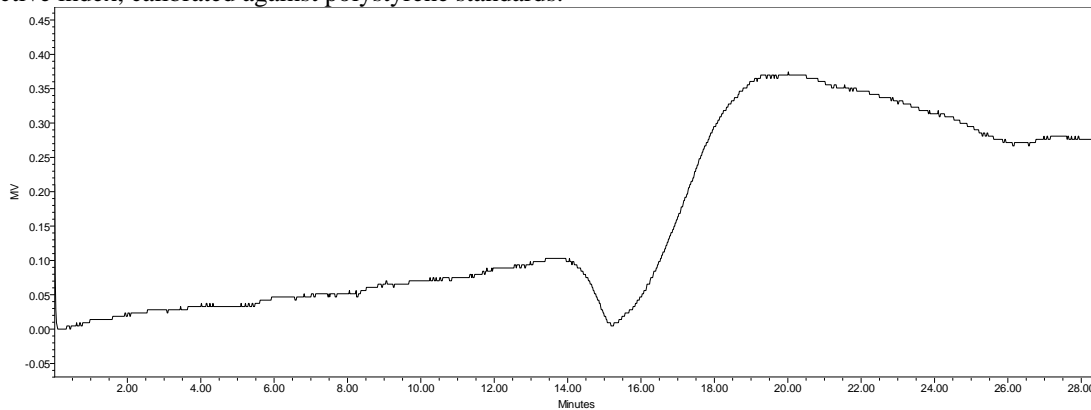
No. AP118 Certificate of Analysis

Product Name: Poly(caprolactone) copolymers free-acid endcap (Mn: 1,000- 5,000 Da)
 (Lot#: 60915JSG-A)



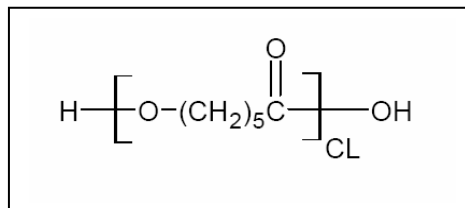
- GPC analysis of PCL copolymers**

Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three GPC columns (7.6 x 300 mm, mixed porosities). Detection via refractive index, calibrated against polystyrene standards.



Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PCL	4,629	11,987	2.59

- Structure of PCL copolymers**



Material provided for research use only. Not for clinical use.