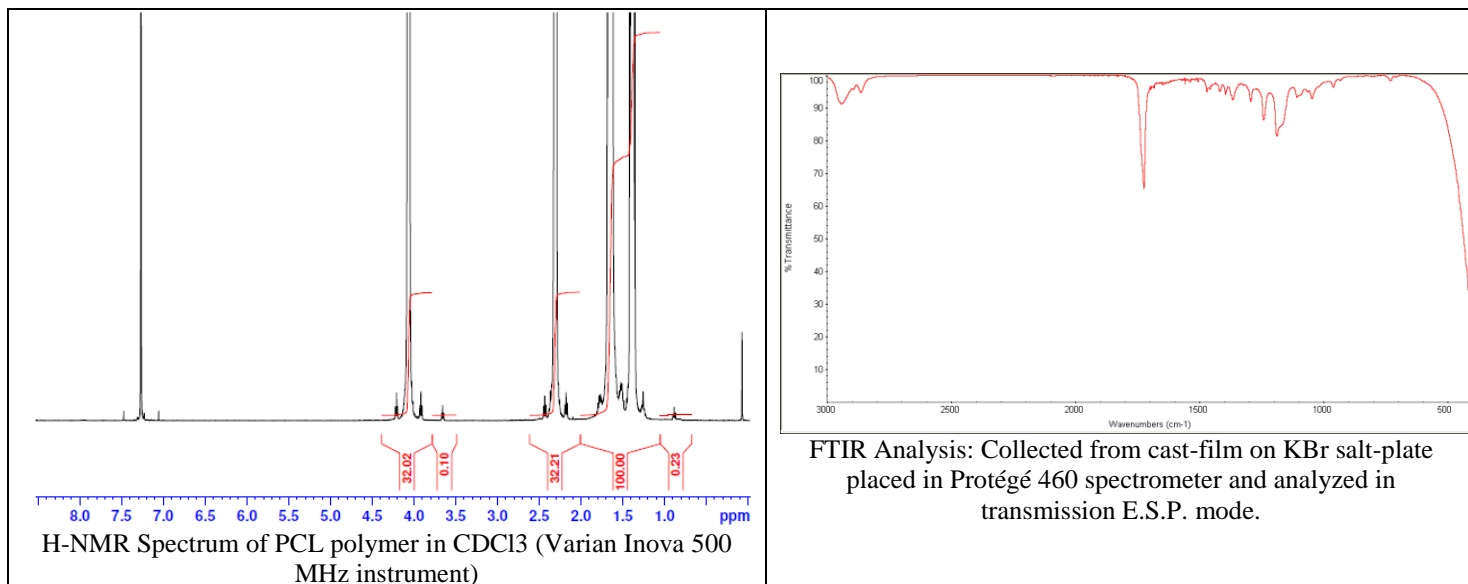
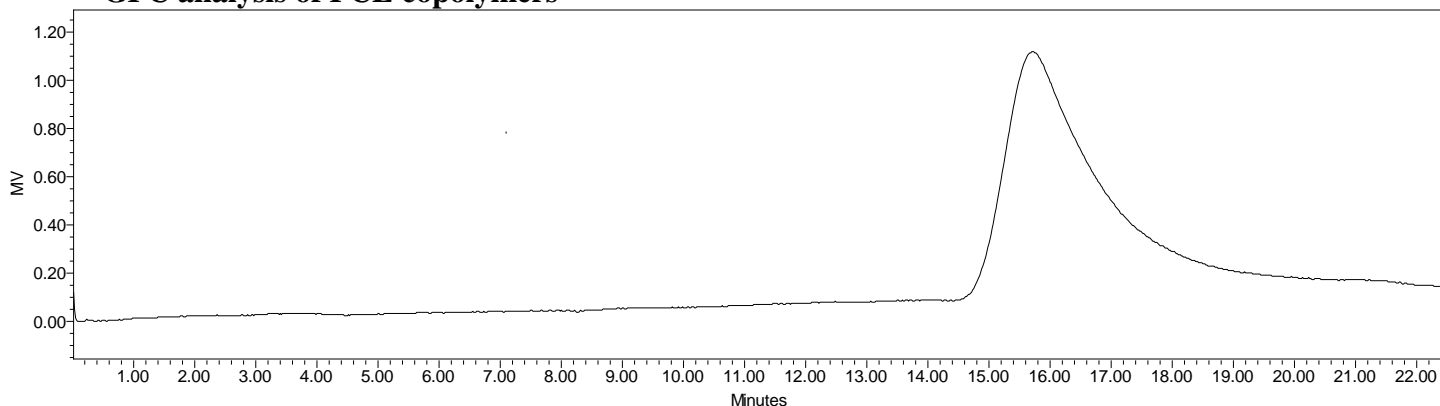


# No. AP129 Certificate of Analysis

Product Name: Poly(caprolactone) copolymers free-acid endcap (Mn: 45,000- 55,000 Da)  
 (Lot#: 61109BPR-A)



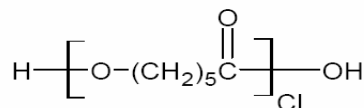
- GPC analysis of PCL copolymers**



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three GPC columns (7.8 x 300 mm, mixed porosities).  
 Detection via refractive index, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PCL	47,889	89,214	1.86

- Structure of PCL copolymers**



Material provide for research use only. Not for human use.