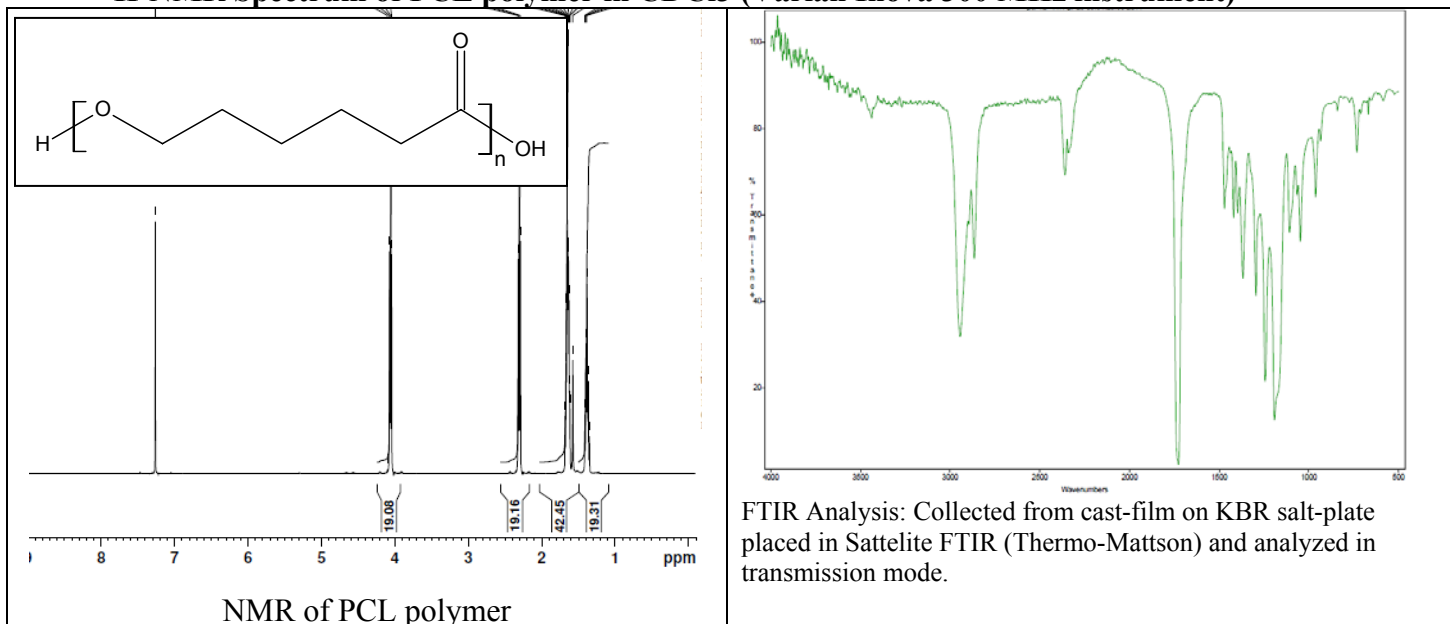


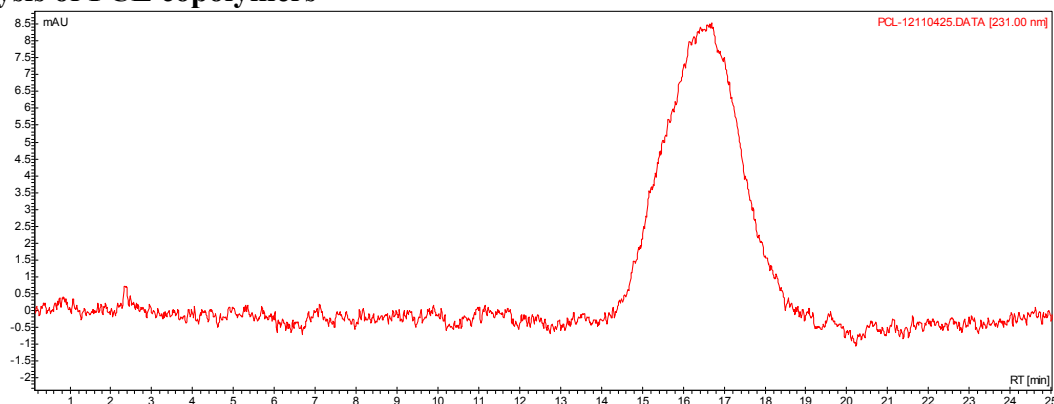
No. PCL-200K Certificate of Analysis

Product Name: Poly(caprolactone) copolymers

- ¹H-NMR Spectrum of PCL polymer in CDCl₃ (Varian Inova 300 MHz instrument)**



- GPC analysis of PCL copolymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Resipore 3 um columns and one Mixed E column (Varian) and with UV-Vis (PDA) detection. Calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PCL-200K (PCL-12)	163524	231148	1.41

- Inherent Viscosity 1.13 dl/g (measured at 25°C in chloroform)**