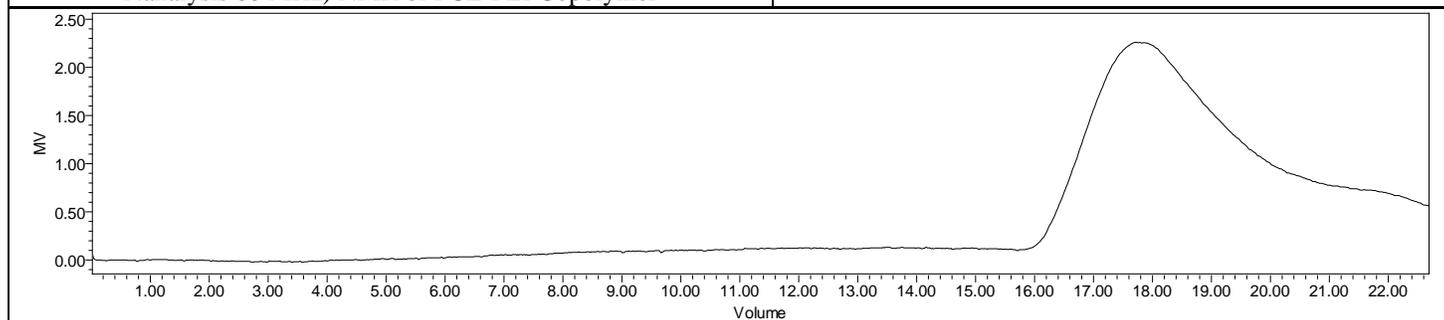
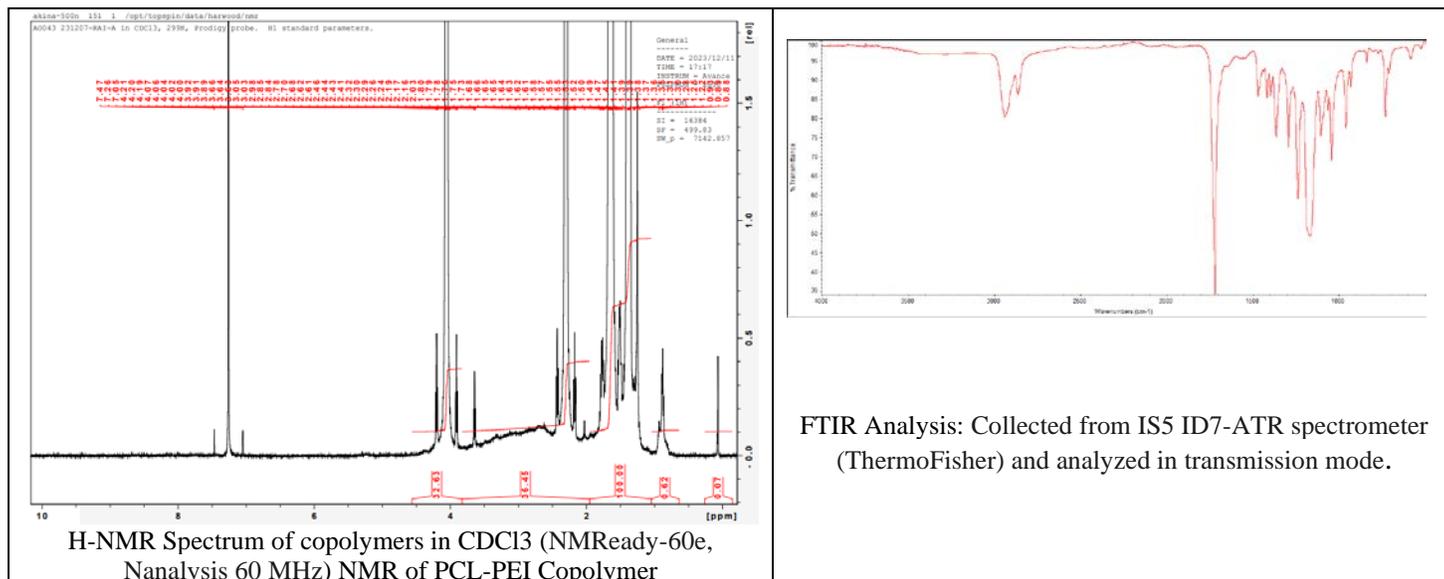


# No. AO043

# Certificate of Analysis



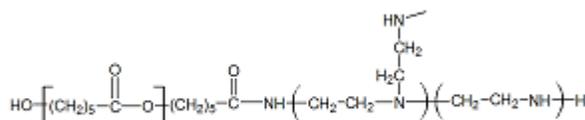
Product Name: Polycaprolactone-b-branched Polyethyleneimine copolymers (PCL-b-PEI Mn ~ 40,000-800Da) (Lot# 231207RAI-A)



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PCL-PEI	41,966	95,463	2.27

- Structure of PCL-PEI copolymers



Approved By:  
*Amie Tyler*  
Quality Manager