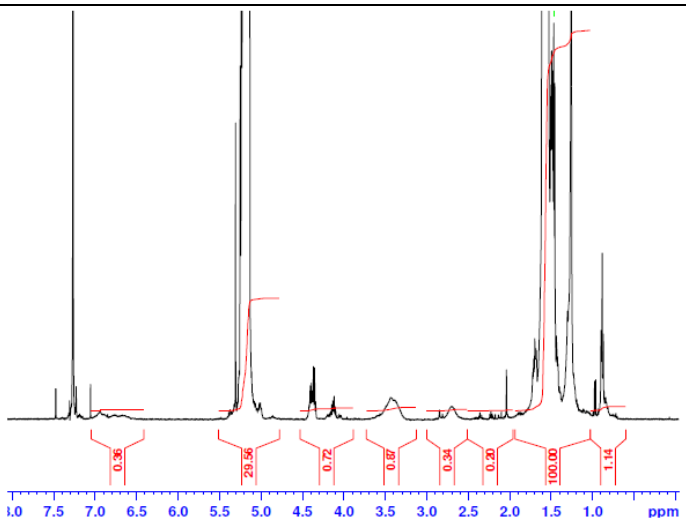
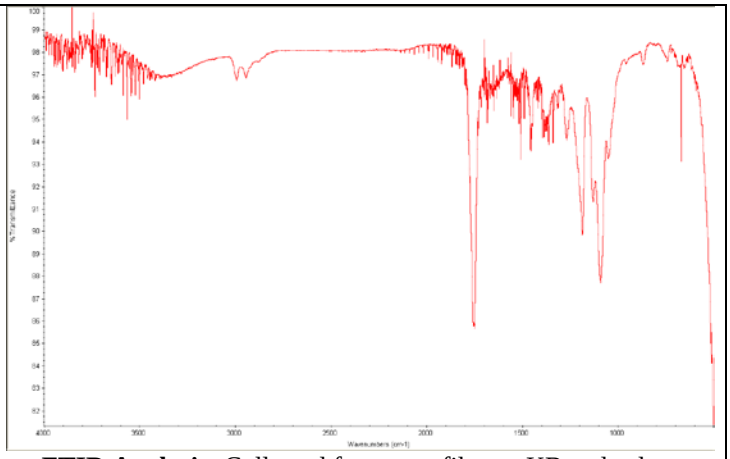
No. AV033 Certificate of Analysis

Product Name: Poly((D,L)Lactide)-Cyanine 7 endcap (Mn: 10,000-15,000Da) (Lot#: 61202JSG-A) (REV:B dye)

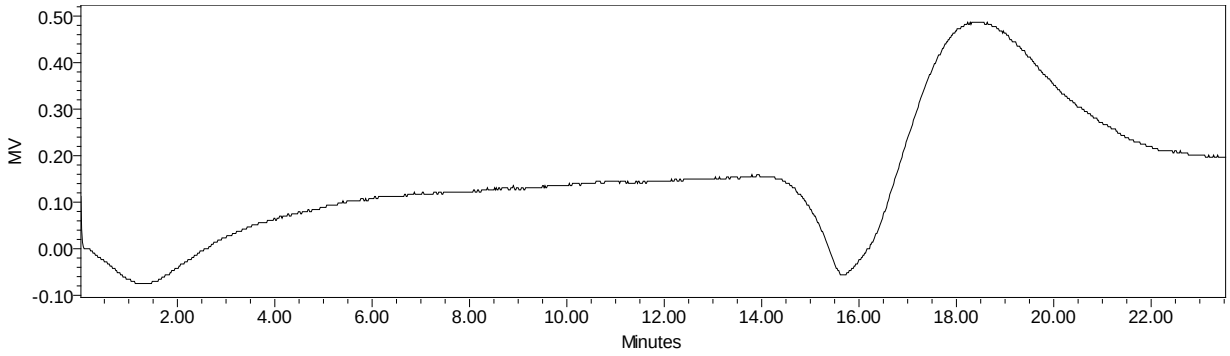


H-NMR Spectrum of copolymers in CDCl3 (Varian Inova 500 MHz instrument)



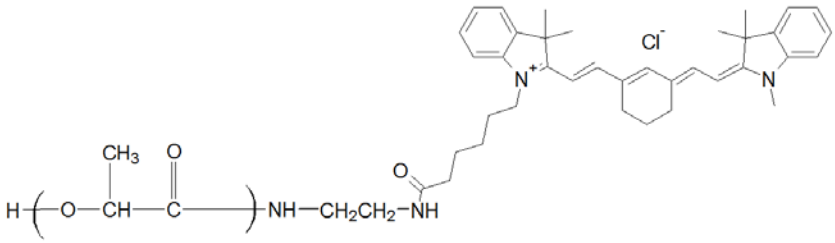
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Protégé 460 spectrometer and analyzed in transmission E.S.P. mode.

- **GPC 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.

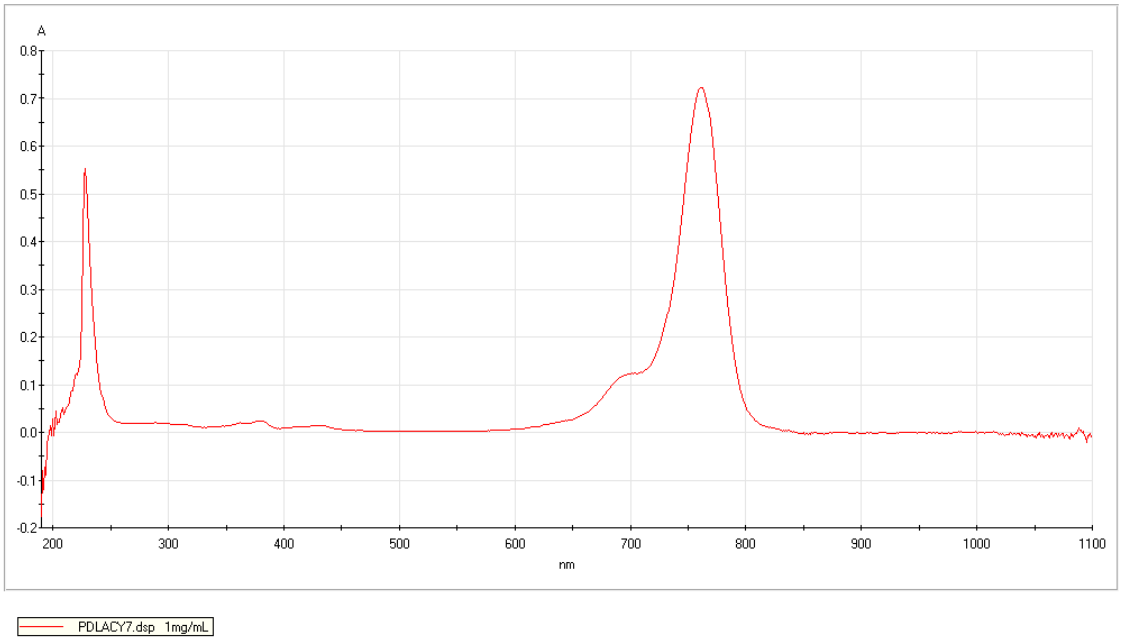


Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PDLA-CY7	14,880	22,878	1.54

- **Structure of PDLA-CY7**



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



UV-Vis Scan (Genesys 10S) 1 mg/ml solution in dichloromethane.

Dye Content: Testing of absorbance of polymer in DCM solution at 762 nm as compared to series of Cyanine-7 standards has indicated a dye content of: 2.26 µg/mg polymer.

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