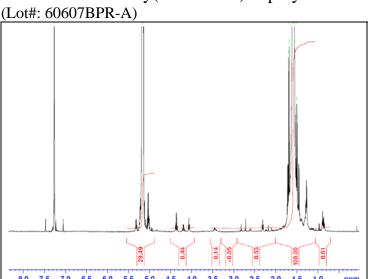
## No. AV016

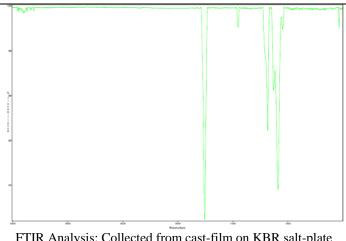
## Certificate of Analysis



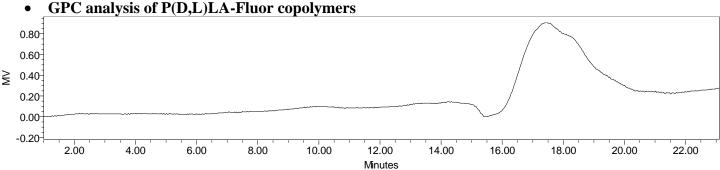
Product Name: Poly(DL-lactide) copolymer-Fluorescein endcap ( $M_n\ 20,\!000\ -\ 40,\!000Da$ )



H-NMR Spectrum of P(D,L)LA-Fluor copolymer in CDCl3 (Varian Inova 500 MHz instrument)



FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
P(D,L)LA-Fluor	34,221	52,076	1.52

## • Structure of P(D,L)LA-Fluor copolymers

• **Dye Content:** Testing of absorbance of polymer at 490nm as compared to series of FITC standards has indicated a dye content of: 16.75 ug/mg polymer.