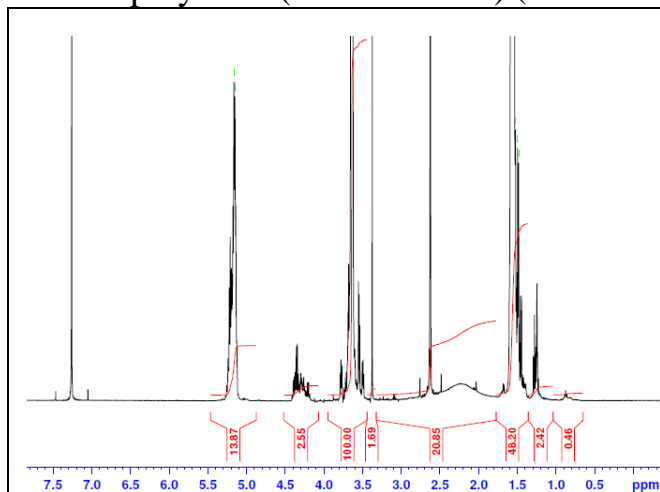
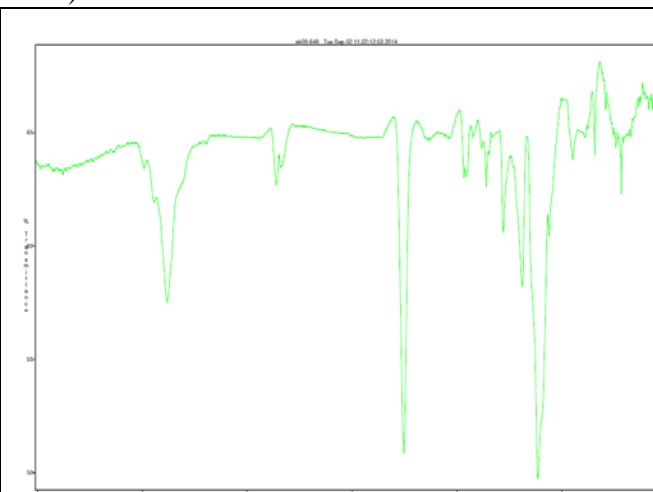


# No. AV17 Certificate of Analysis

Product Name: Methoxy Poly(ethylene glycol)-b-Poly((D,L) lactic acid)-Flamma-Fluor FKR648 copolymers (2000:2200Da) (Lot#: 40827JSG)

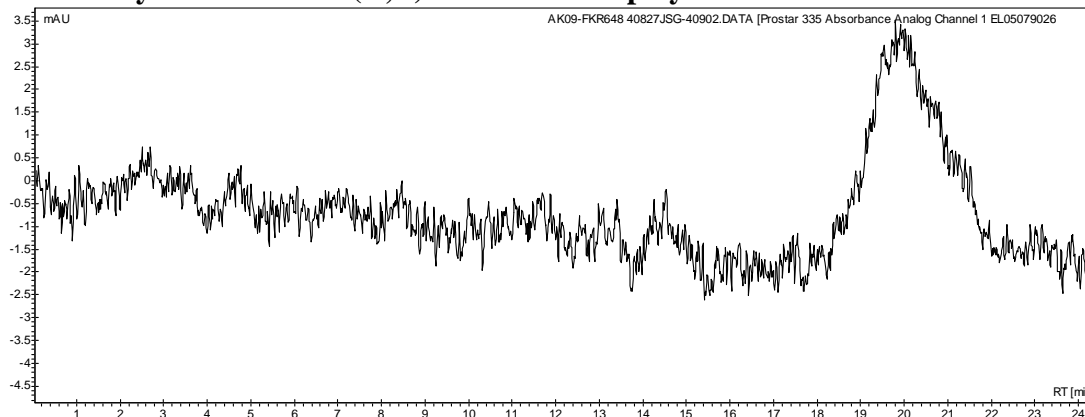


**<sup>1</sup>H-NMR Spectrum of mPEG-P(D,L)LA-FKR648 copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of mPEG-P(D,L)LA-FKR648 repeat units: EG-LA = 47-26 (M<sub>N</sub> = 2,071/1,877)**



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

## • GPC analysis of mPEG-P(D,L)La-FKR648 copolymers

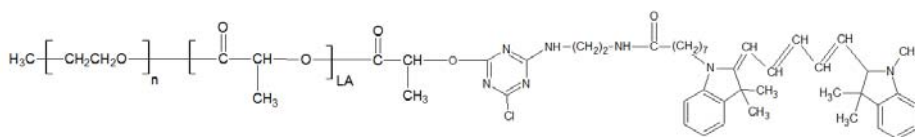


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two 5µm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
mPEG-P(D,L)La-FKR648	6,151	9,050	1.47
mPEG initiator*	2,095	2,119	1.01

\*Run separately, Data not shown

- **Dye Content:** Testing of absorbance of polymer in DMSO solution at 650nm as compared to series of FKR648 standards has indicated a dye content of: 1.00 ug/mg polymer.
- **Structure of mPEG-P(D,L)La-FKR648 copolymers**



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