

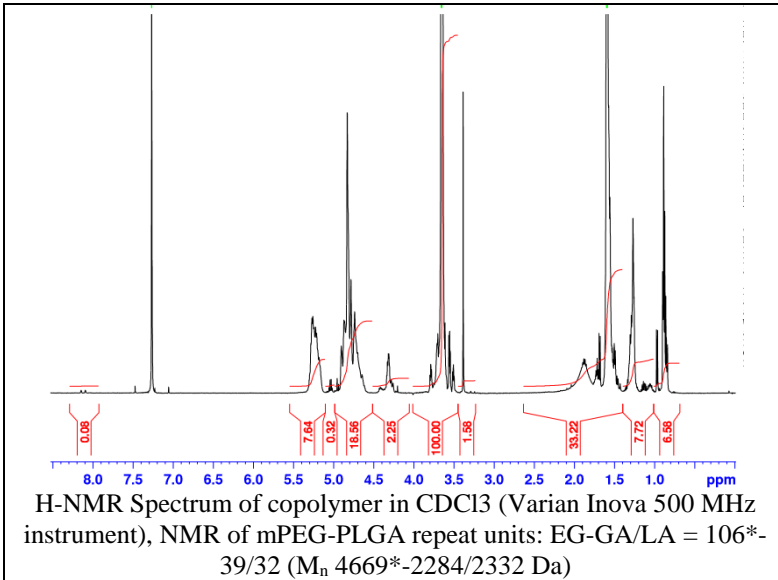
# No. AK051

# Certificate of Analysis

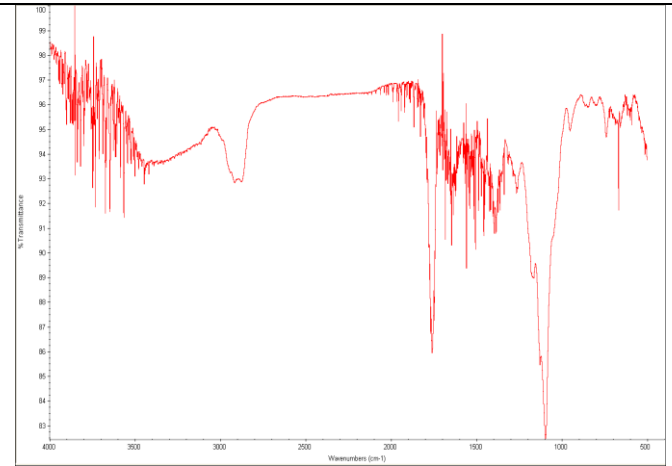


Product Name: Methoxy Poly(ethylene glycol)-b-Poly(lactide-b-glycolide) (5,000:5,000 Da)  
(Lot#: 70202ELH-B)

## H-NMR

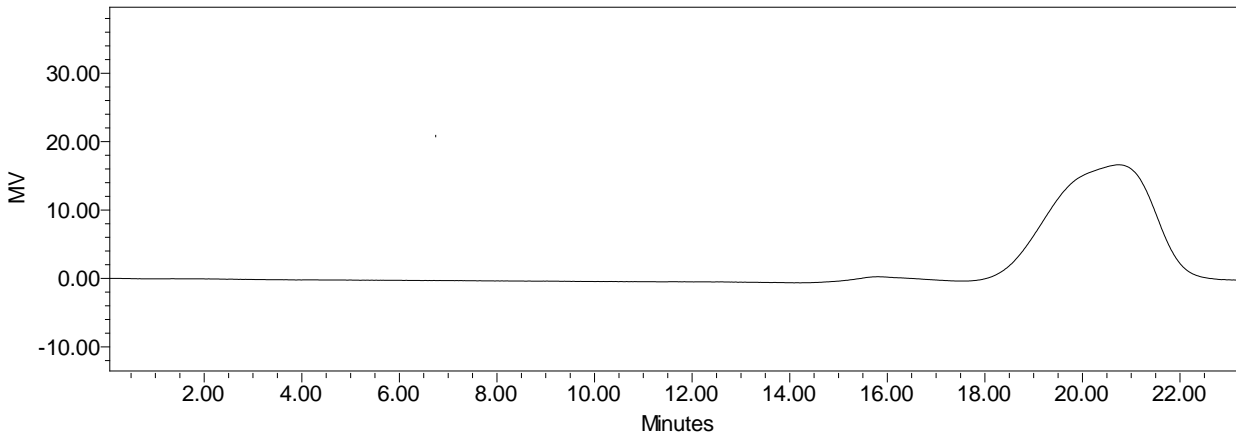


## FTIR



FTIR Analysis: Collected from cast-film on salt-plate placed in Protégé 460 Spectrometer (Nicolet) and analyzed in transmission E.S.P. mode.

- **GPC analysis of mPEG-PLGA copolymer**

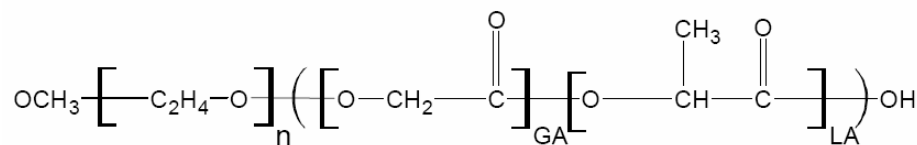


Analysis Method: Waters Breeze 2 with 1 ml/min THF flow across three GPC columns (mixed porosities). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
mPEG-PLGA	7834	10,665	1.36
mPEG initiator*	4,677	5,272	1.13

\* - MFG provided data

- **Structure of mPEG-PLGA copolymer**



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