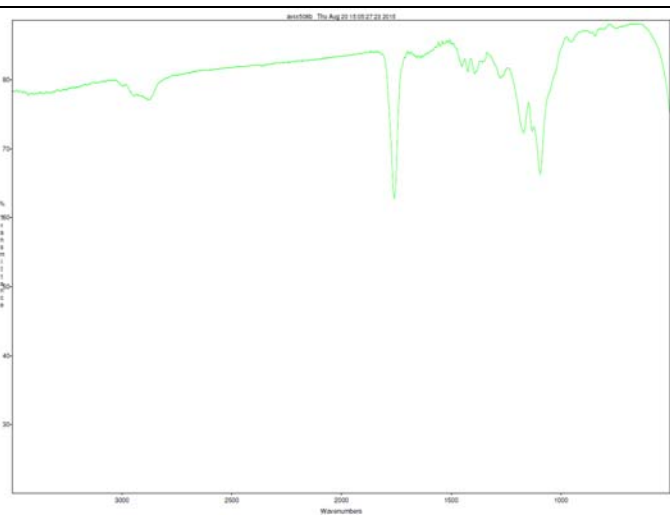
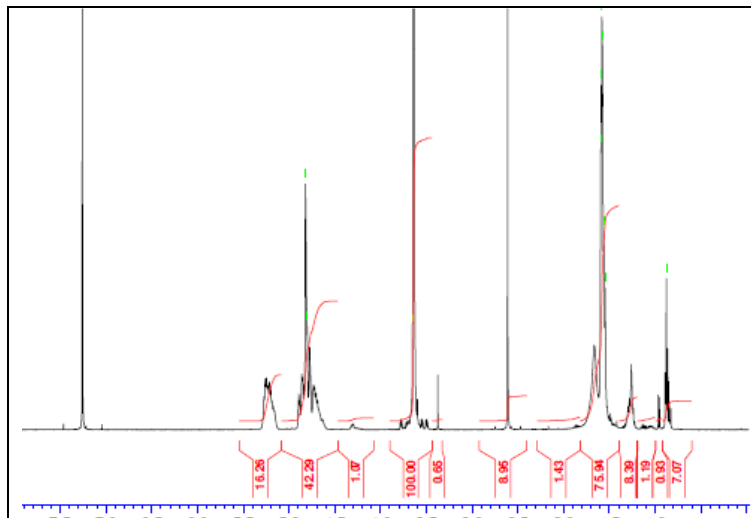


# No. AV20

# Certificate of Analysis

Product Name: Methoxy-Poly(ethylene glycol)-b-Poly(lactide-co-glycolide)-FKG456 copolymers ( $M_w \sim 5,000-10,000\text{Da}$ ) (Lot#: 50811JSG-B) REV:A

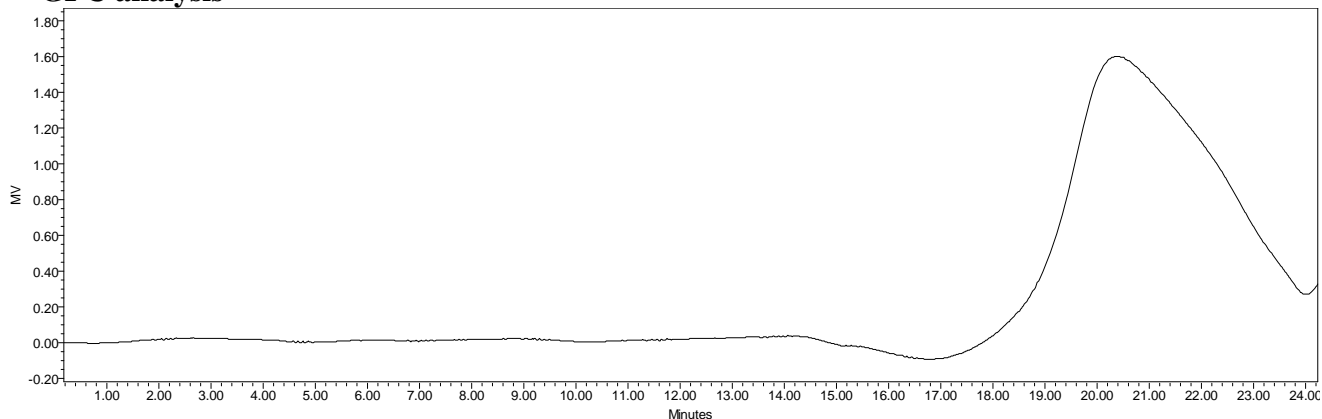


FTIR Analysis: Collected from cast-film on salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

H-NMR Spectrum in  $\text{CDCl}_3$  (Varian Inova 500 MHz instrument), NMR of repeat units: EG-LA/GA = 124-81/125 ( $M_n$  EG-LA/GA = 5463-5807/6087)

**FKG456 manufacturer data:** Max absorbance: 457 nm, Max emission: 524 nm, common filter set: FITC

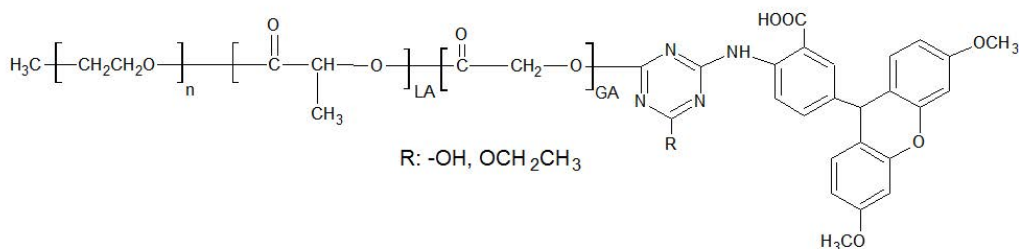
## • GPC analysis



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	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
mPEG-PLGA-FKG456	11,352	16,589	1.46
mPEG	5,488	5,847	1.06

## • Structure of mPEG-PLGA-FKG456 copolymers



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