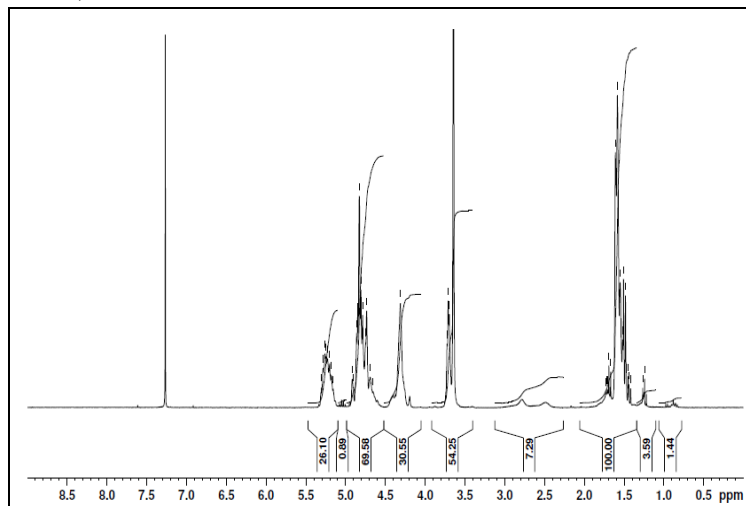


# No. AK76

# Certificate of Analysis

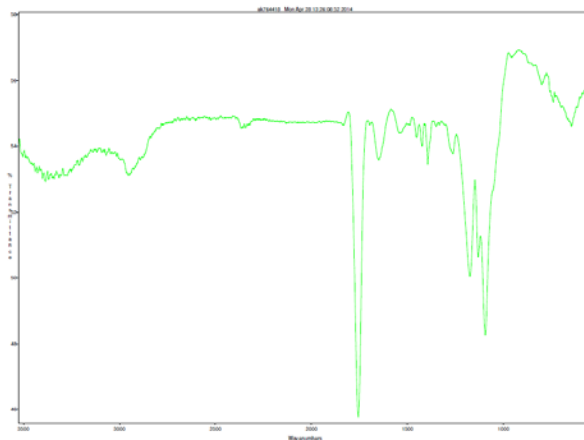
Product Name: Poly(lactic-co-glycolic acid)-*b*-Tetraethylene glycol-*b*-Poly(lactic-co-glycolic acid) copolymers (MW~ 500-190-500 Da, 50:50 LA:GA) (Lot# 40418JSG)

## H-NMR



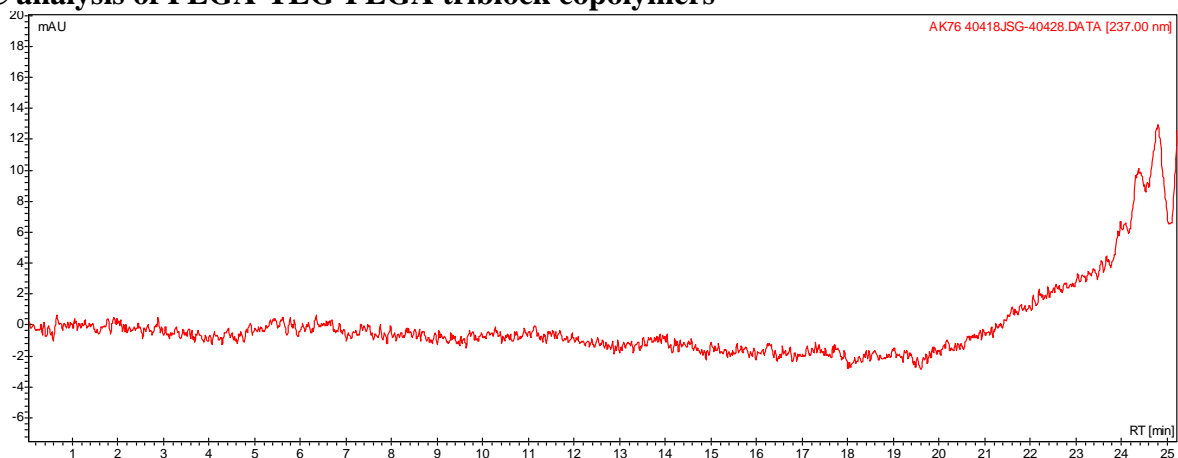
H-NMR Spectrum of PLGA-TEG-PLGA triblock copolymer in CDCl<sub>3</sub> (Varian Inova 300 MHz instrument), NMR of PLGA-TEG-PLGA repeat units: EG-LA/GA: 4-8/10 (M<sub>n</sub> HNMR: 176\*-554/596)(\* -MFG data)

## FTIR



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

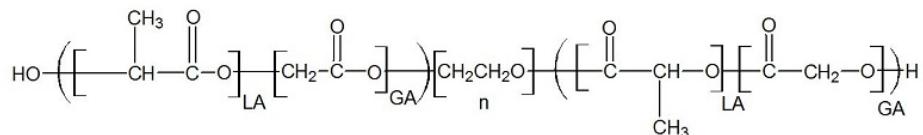
- **GPC analysis of PLGA-TEG-PLGA triblock copolymers**



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

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-TEG-PLGA	1,191	1,260	1.06

- **Structure of PLGA-TEG-PLGA triblock copolymers**



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