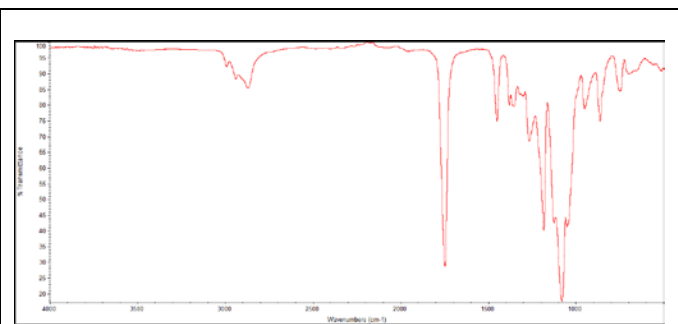
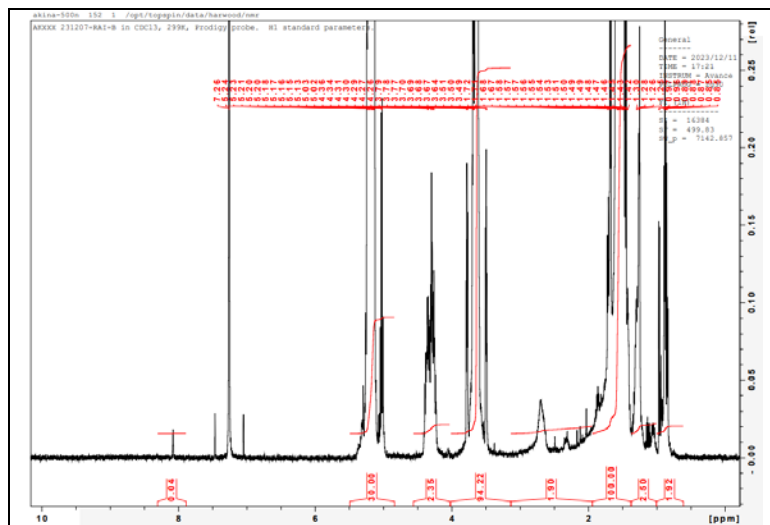


# No. AK186

# Certificate of Analysis

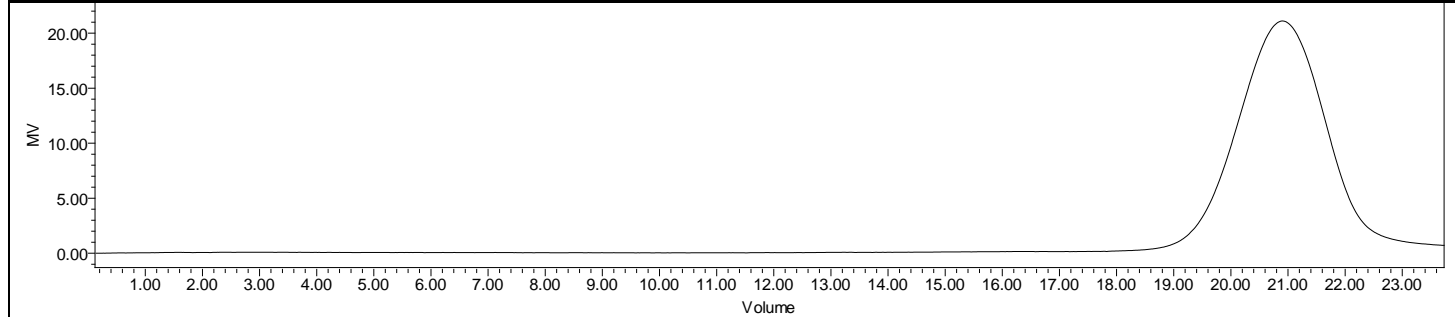


Product Name: Poly(DL-lactide)-*b*-Poly(ethylene glycol)-*b*-Poly(DL-lactide) triblock copolymers (3,000:3,400:3,000) (Lot#: 231207RAI-B)



FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.

H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Bruker ≥300 MHz, PINMRF) NMR of PDLLA-PEG-PDLLA copolymer: EG/LA =75\*/96 (Mn EG/LA 3304\*/6878 Da) \*- from MFG data

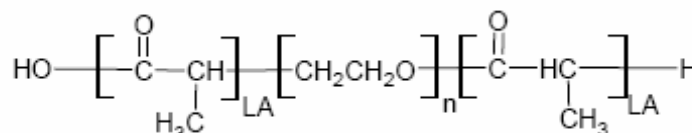


GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PDLLA-PEG-PDLLA	12,171	14,962	1.23
PEG precursor*	M <sub>n</sub> 3281*		

\*- from MFG data

## Structure of PDLLA-PEG-PDLLA copolymers



Approved By:  
Amie Tyler  
Quality Manager