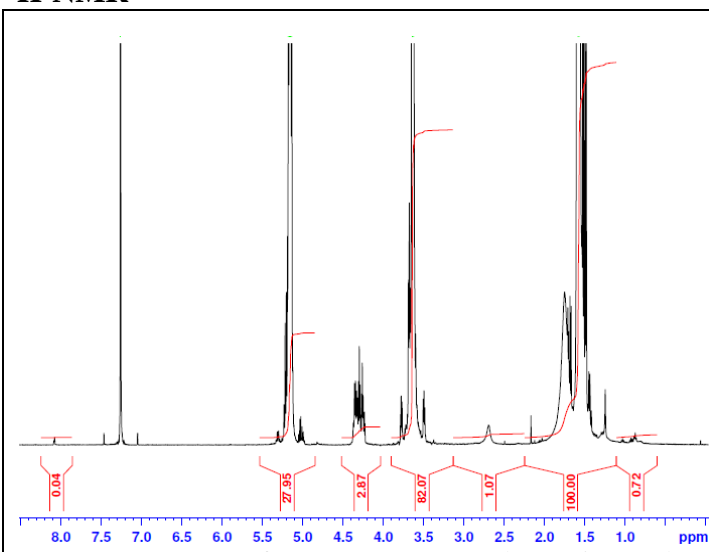


No. AK008 Certificate of Analysis

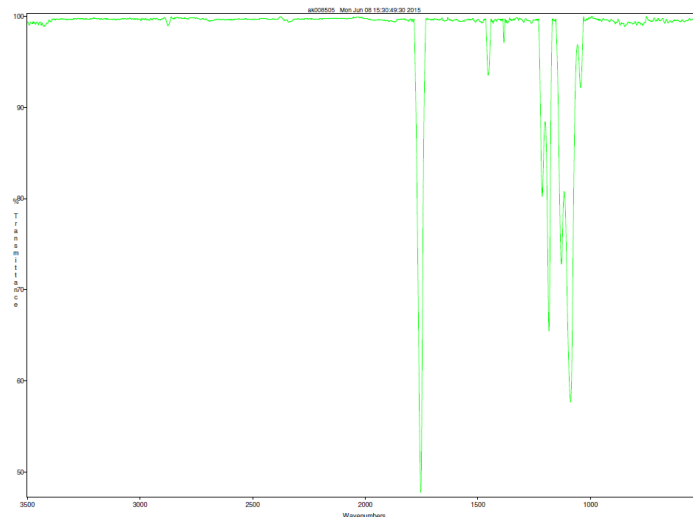
Product Name: Poly(L-lactide)-*b*-Poly(ethylene glycol)-*b*-Poly(L-lactide) triblock copolymers
(2,400:2,000:2,400) (Lot#: 50601MLS)

H-NMR



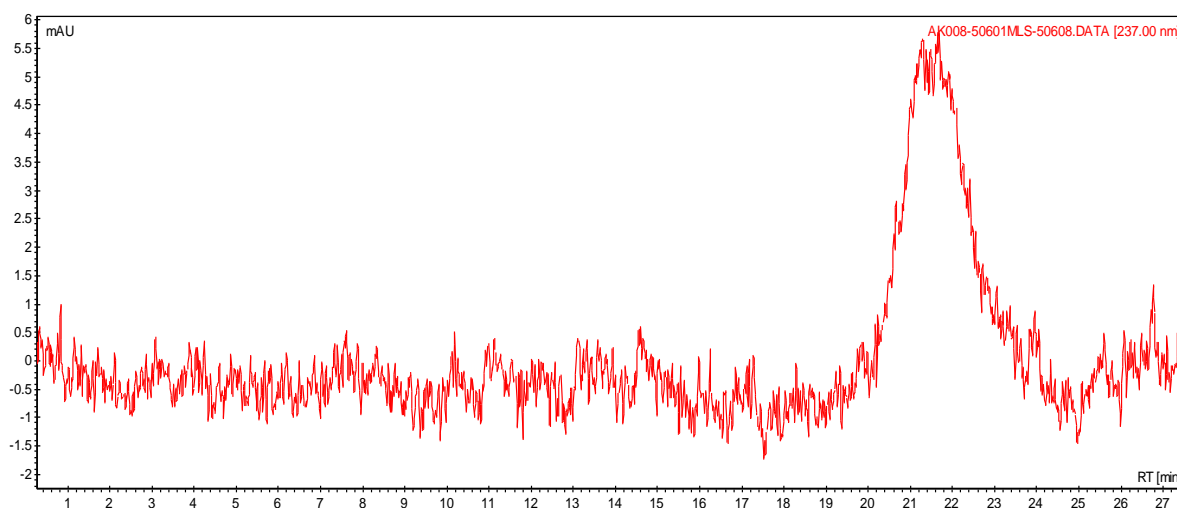
H-NMR Spectrum of PLA-PEG-PLA copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLA-PEG-PLA repeat units: EG-LA = 46-63 (M_n 2,026-4,512 Da)

FTIR



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

- **GPC analysis of PLA-PEG-PLA copolymers**

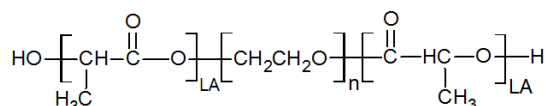


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 μm columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLLA-PEG-PLLA	5,483	7,668	1.40
PEG Initiator*	2,544	2,566	1.01

*- against PEG standards

- **Structure of PLA-PEG-PLA copolymers**



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