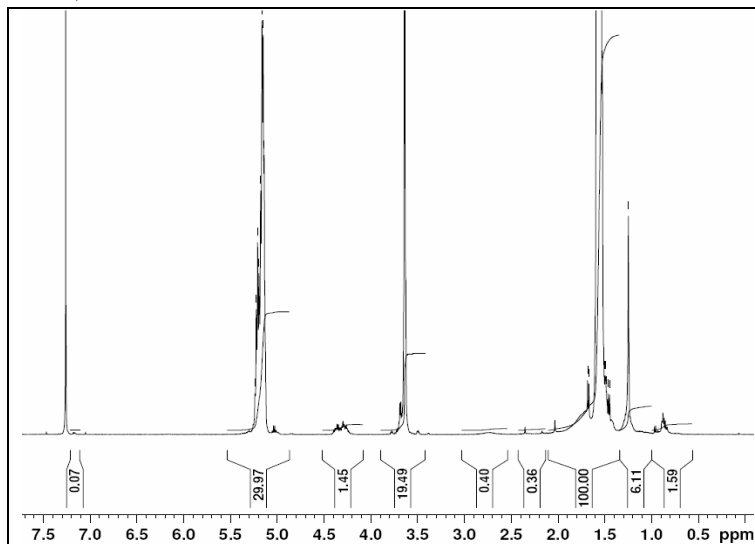


# No. AK59

# Certificate of Analysis

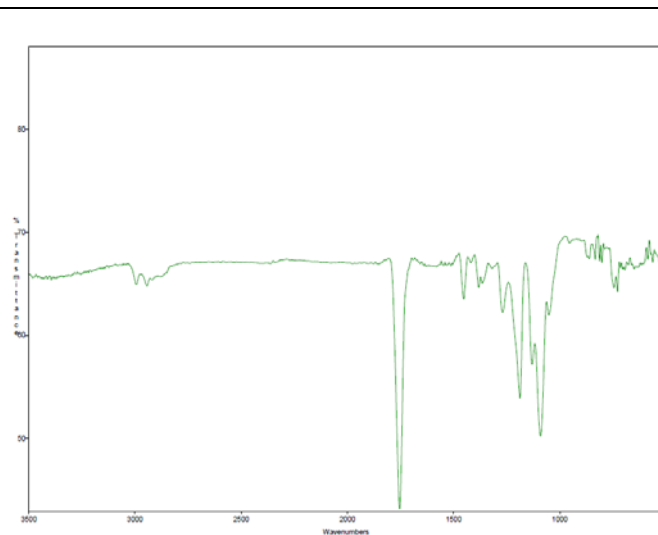
Product Name: Poly(DL-lactide)-*b*-Poly(ethylene glycol)-*b*-Poly(DL-lactide) triblock copolymers (5,000:1,000:5,000) (Lot#: 30708AHT)

## H-NMR



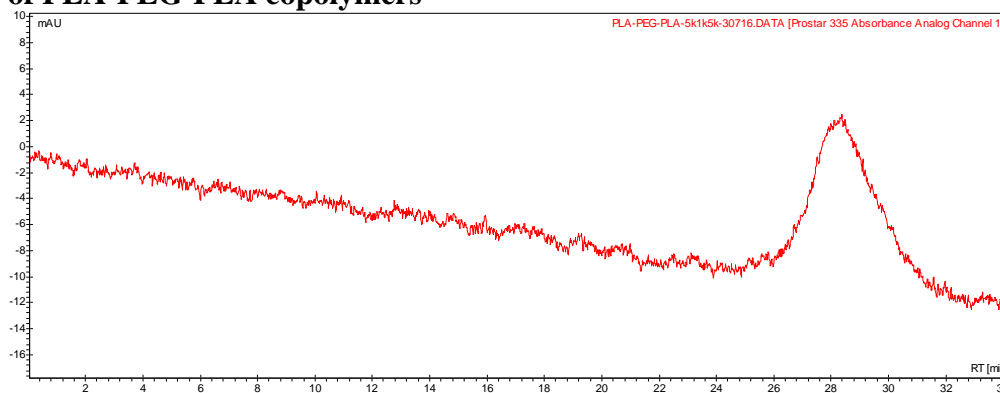
H-NMR Spectrum of PLA-PEG-PLA copolymers in CDCl<sub>3</sub>  
(Varian Inova 500 MHz instrument),  
NMR of PLA-PEG-PLA repeat units: EG-LA = 23-141

## 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 PLA-PEG-PLA 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	Mn (from GPC)	Mw (from GPC)	PDI
PLA-PEG-PLA	10486	14731	1.40
PEG1000 Initiator	970*	-	-

\*-per MFG provided information

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

