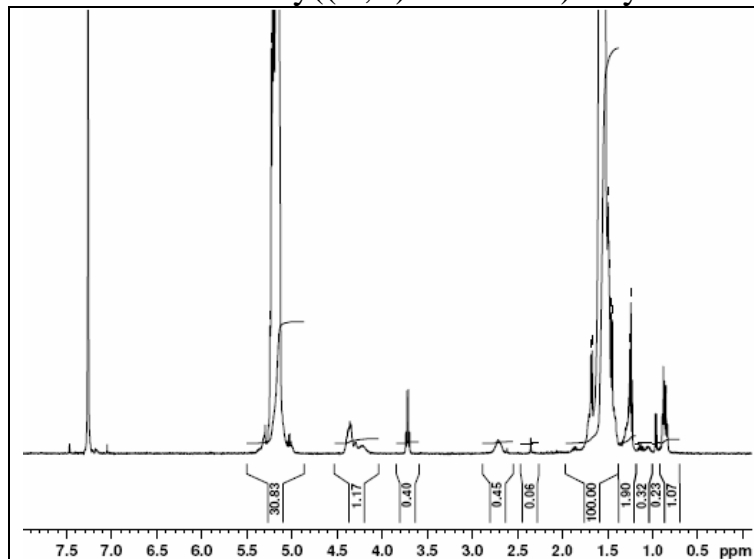
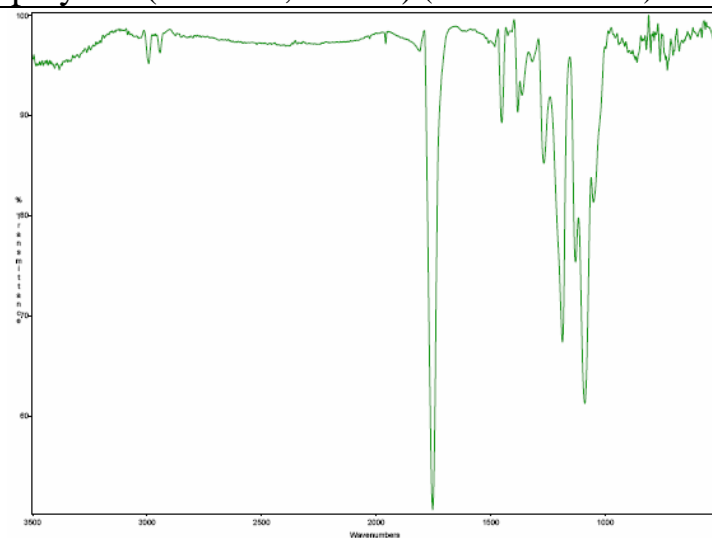


# No. AP92 Certificate of Analysis

Product Name: Poly((D,L)lactic acid)-Glycerol star polymer (MW~15,000 Da) (Lot#: 30621JSG)

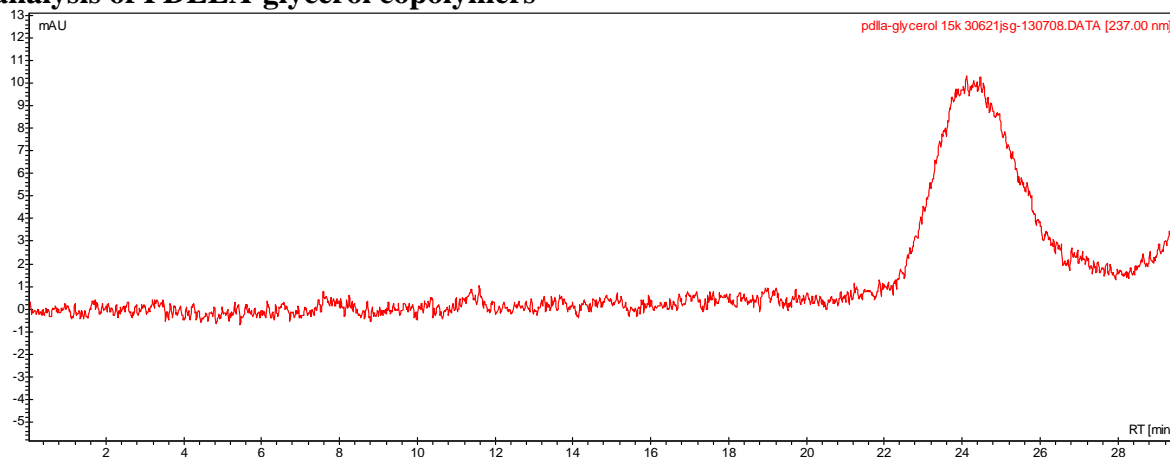


**<sup>1</sup>H-NMR Spectrum of PDLLA-Glycerol copolymers in CDCl<sub>3</sub>**  
(Varian Inova 500 MHz instrument)



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

- GPC analysis of PDLLA-glycerol copolymers**



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

| Polymer         | Mn (from GPC) | Mw (from GPC) | PDI  |
|-----------------|---------------|---------------|------|
| PDLLA-Glycerol* | 14256         | 18458         | 1.29 |

\*-determined against linear standards

- Structure of PDLLA-Glycerol copolymers**

