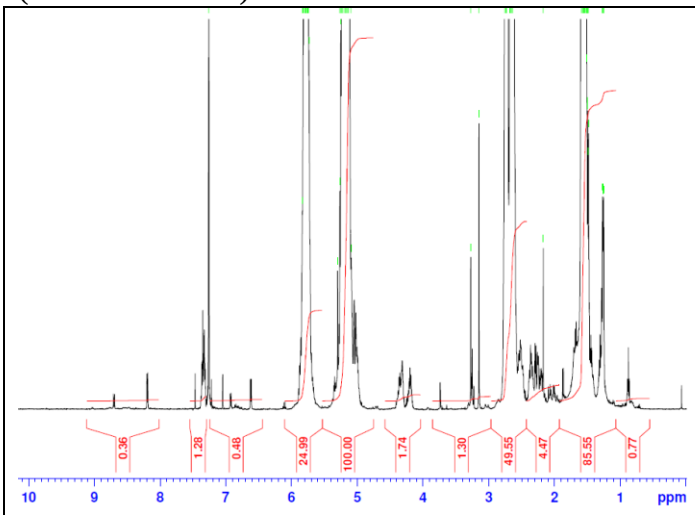
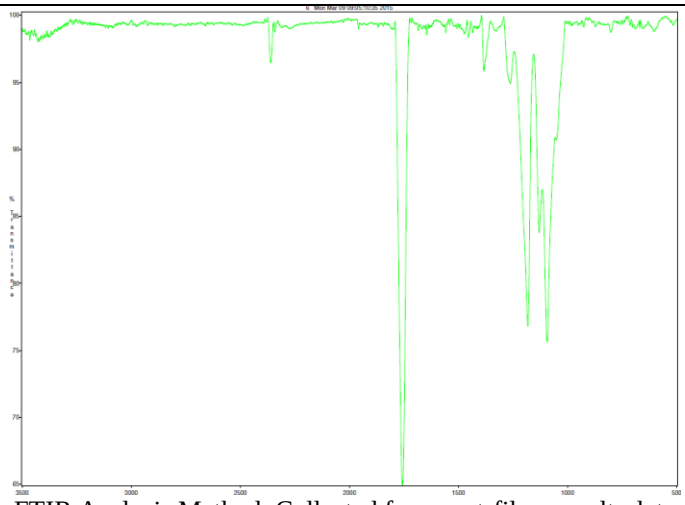
No. AI108 Certificate of Analysis

Product Name: Poly(lactide-co-allyl lactide) (Mn 5,000-10,000Da ~50% allyl lactide)
(Lot#: 50204JSG)

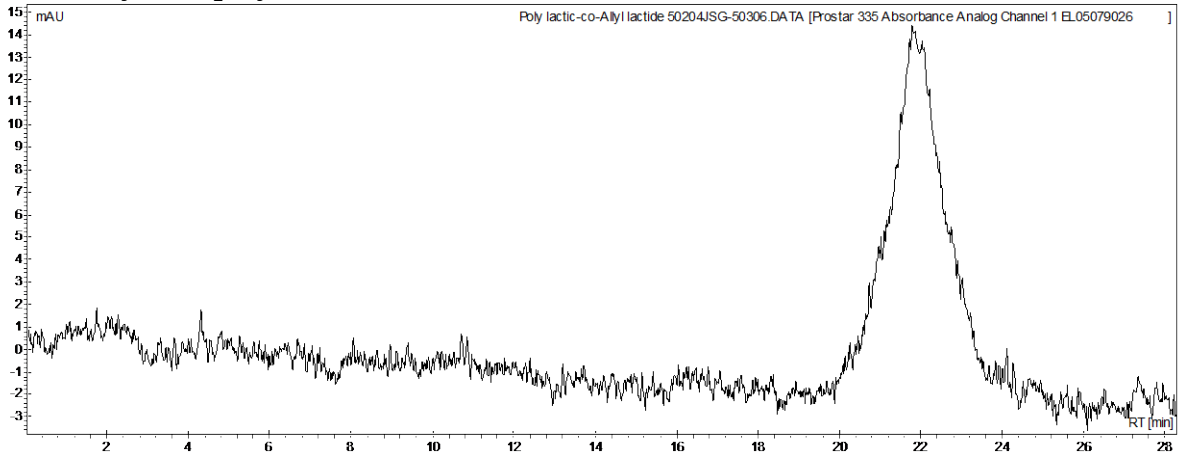


H-NMR Spectrum of polymer in $CDCl_3$ (Varian Inova 500 MHz instrument) (50% allyl content).



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

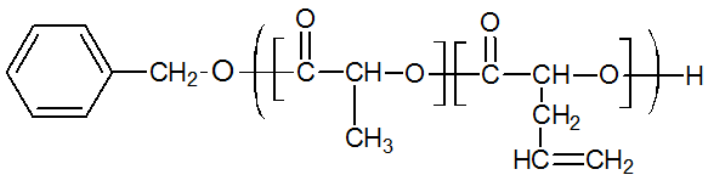
- **GPC analysis of polymer**



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	M_n (from GPC)	M_w (from GPC)	PDI
allyl-PLA	6263	7989	1.28

- **Structure of allyl-PLA polymer**



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