

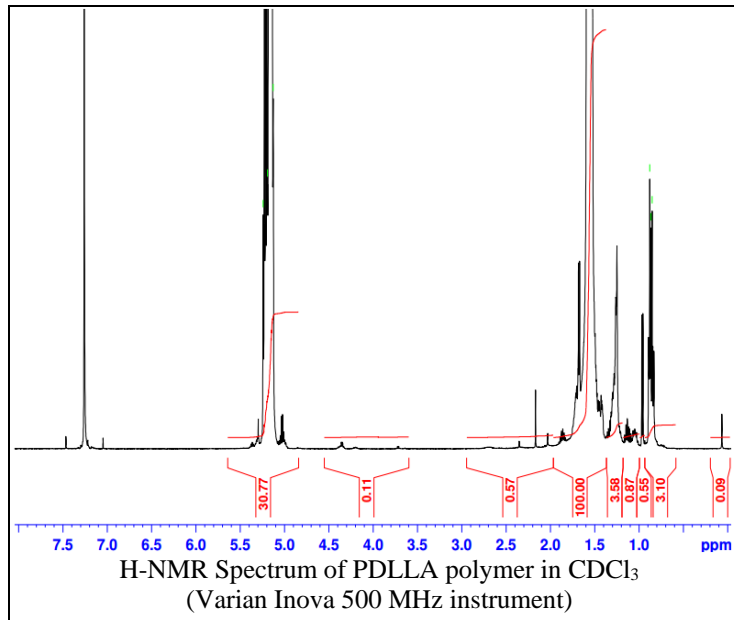
# No. AP035

# Certificate of Analysis

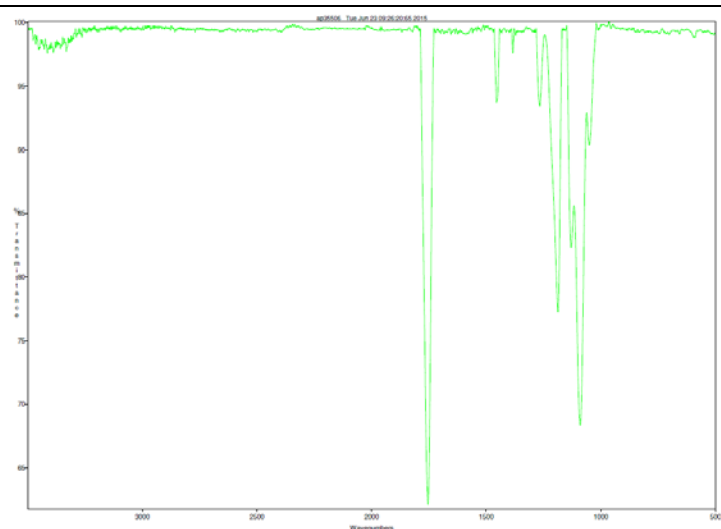


Product Name: Poly(D,L-lactide) acid endcap ( $M_n$  55,000-65,000 Da)  
(Lot# 50616MLS)

## H-NMR

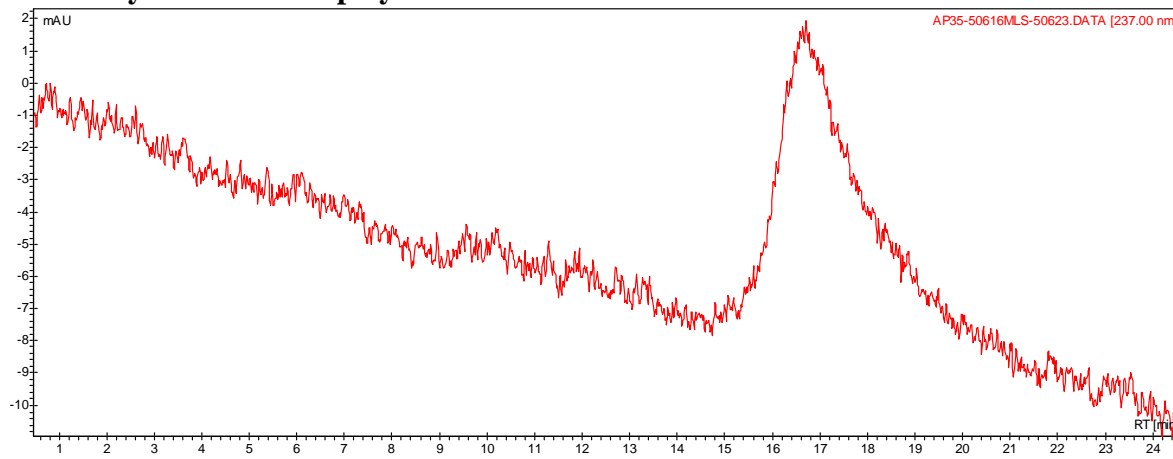


## FTIR



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

## • GPC analysis of PDLLA polymer



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

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PDLLA	59,417	108,666	1.83

## • Structure of PDLLA polymer

