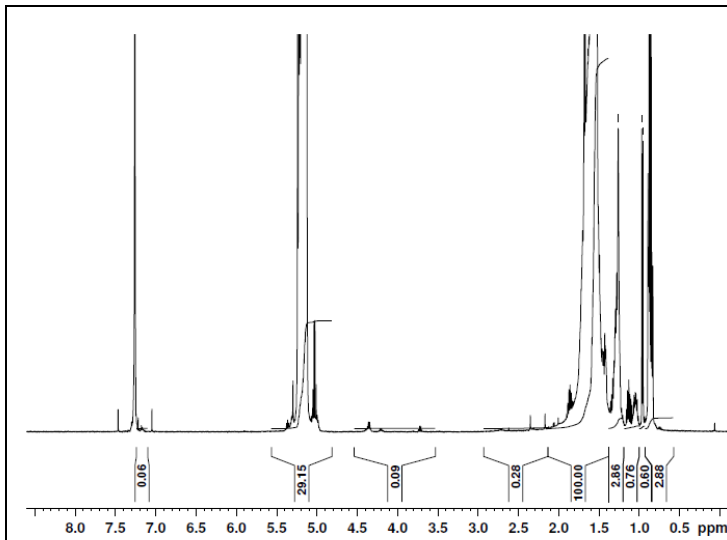


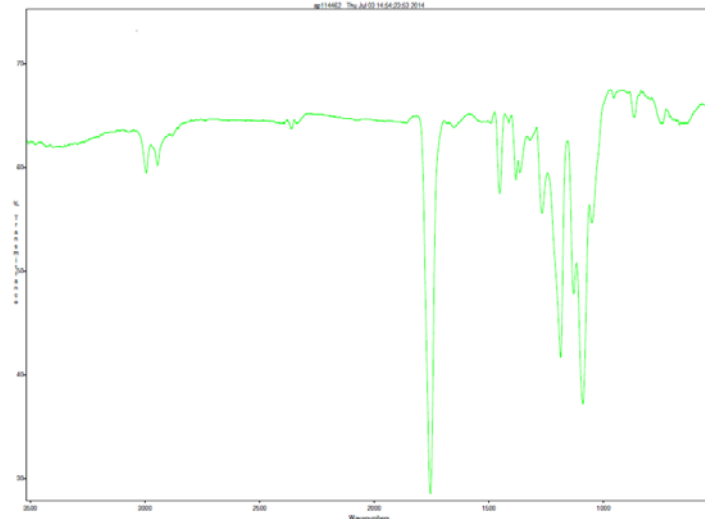
No. AP114

Certificate of Analysis

Product Name: Poly(D,L-lactide) acid endcap (M_n 85,000-100,000 Da)
(Lot# 40624SMS)

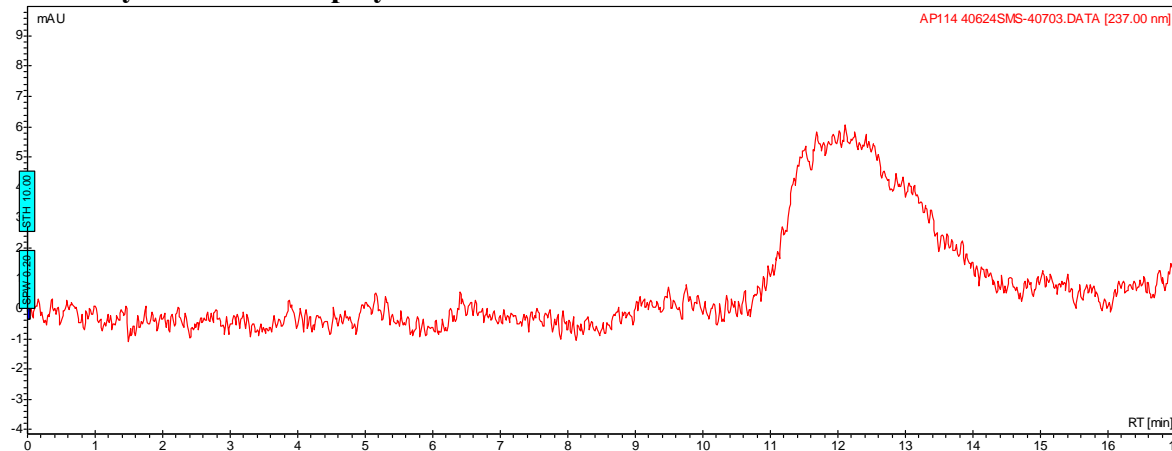


$^1\text{H-NMR}$ Spectrum of PDLA polymer in CDCl_3
(Varian Inova 500 MHz instrument) (Purity: 97% $^1\text{H-NMR}$)



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

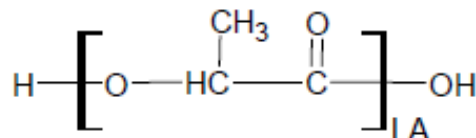
- **GPC analysis of PDLA polymer**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two $5\mu\text{m}$ 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
PDLA	92,615	186,833	2.02

- **Structure of PDLA polymer**



Material provided for research use only. Not for human use.