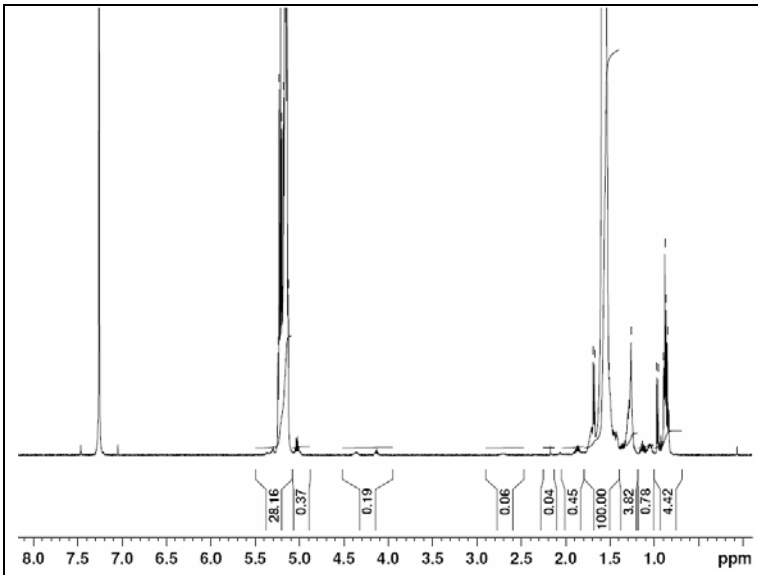
No. AP93 Certificate of Analysis

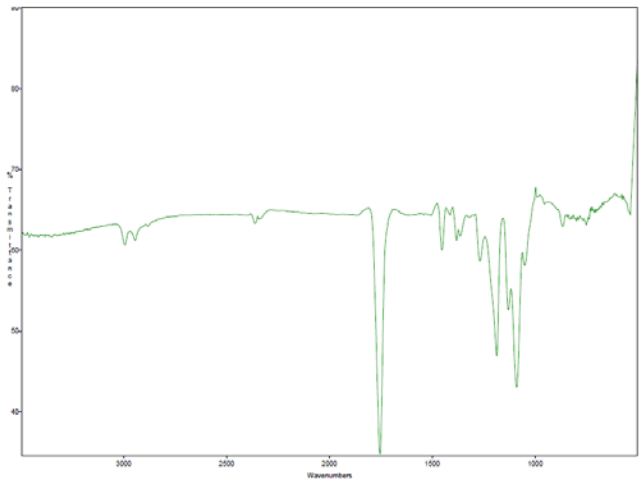
Product Name: Poly(D,L-lactic acid)-butanol (Mn: 45,000-55,000 Da) (Lot#: 30709JSG)
REV:A

H-NMR



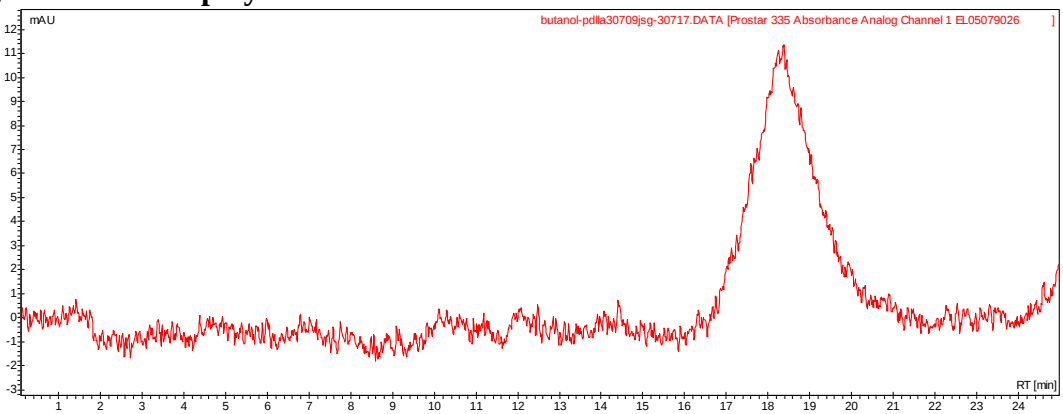
H-NMR Spectrum of PDLLA polymers in CDCl3 (Varian Inova 500 MHz instrument)

FTIR



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

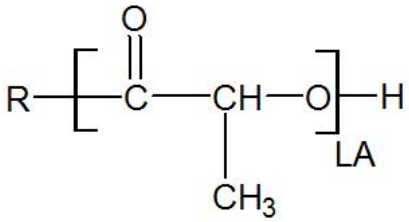
- **GPC analysis of PDLLA polymers**



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
PDLLA	52811	76276	1.44

- **Structure of PDLLA polymers**



R-butanol