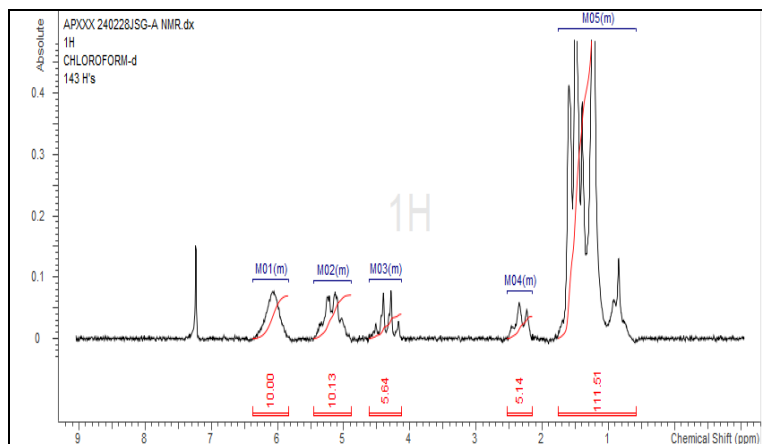


No. AP316

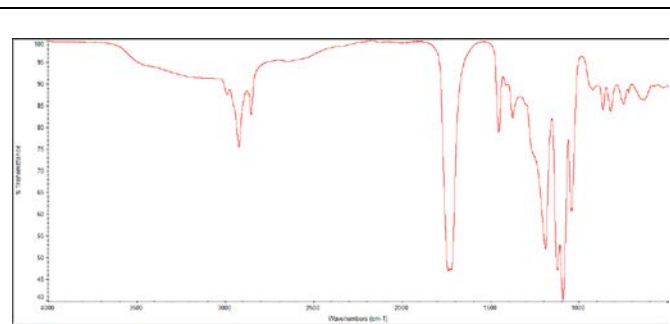
Certificate of Analysis



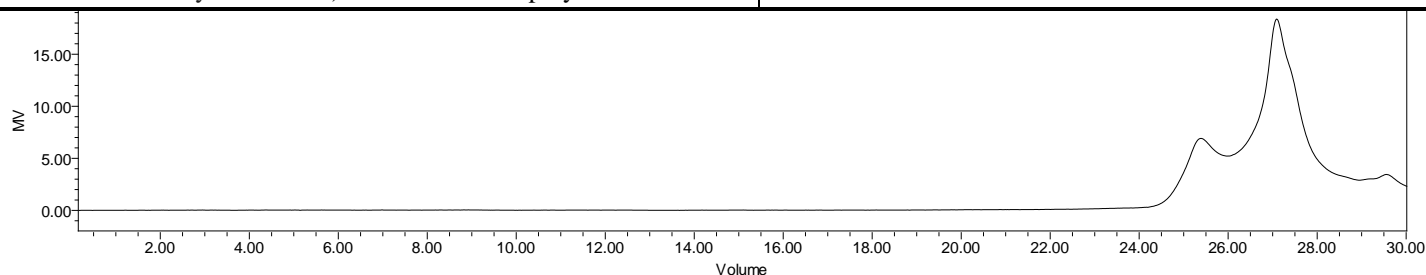
Product Name: Laurel PolyLactide (Mn 500-1,000 Da) (Lot #240228JSG-A)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of LPL Copolymer



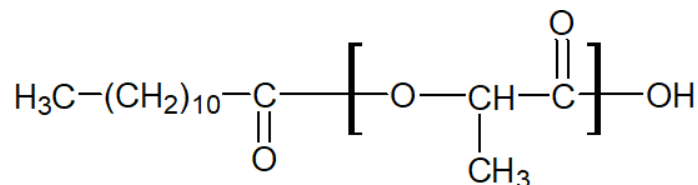
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.



GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
LPL	663	727	1.10

- Structure of LPL copolymers



Approved By:
Amie Tyler
Quality Manager