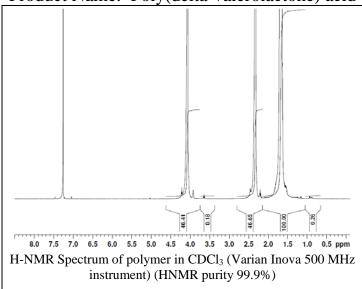
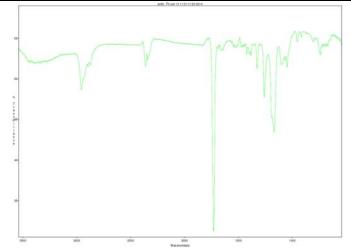
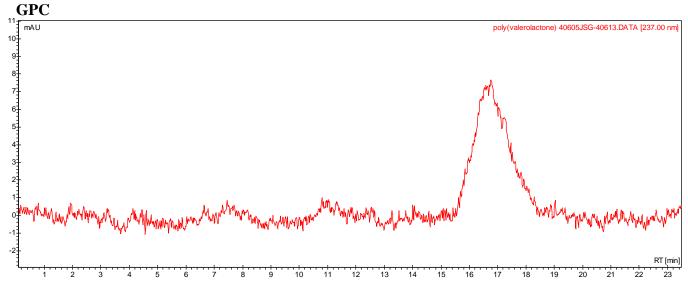
## No. AP115 Certificate of Analysis

Product Name: Poly(delta-valerolactone) acid endcap (M<sub>n</sub> 85,000-100,000Da) (Lot# 40605JSG)





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



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

Polymer	$M_n$ (GPC)	$M_w(GPC)$	PDI
Poly(valerolactone)	85,970	110,020	1.28

## • Structure

$$HO - C - (CH_2)_4 - O - H$$

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