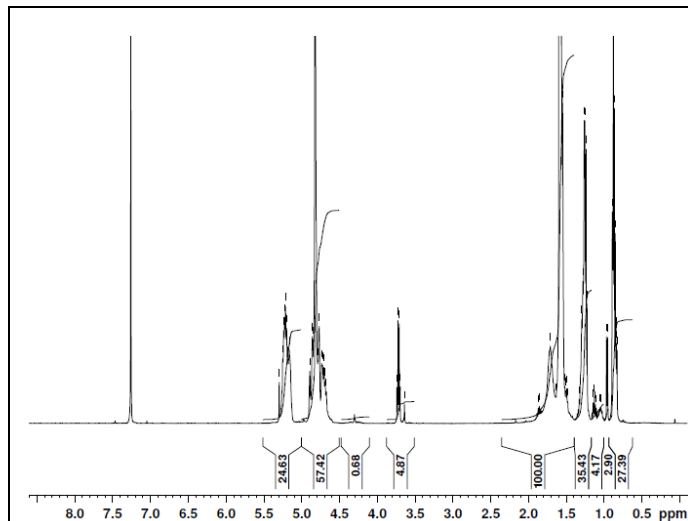


No. AP29

Certificate of Analysis

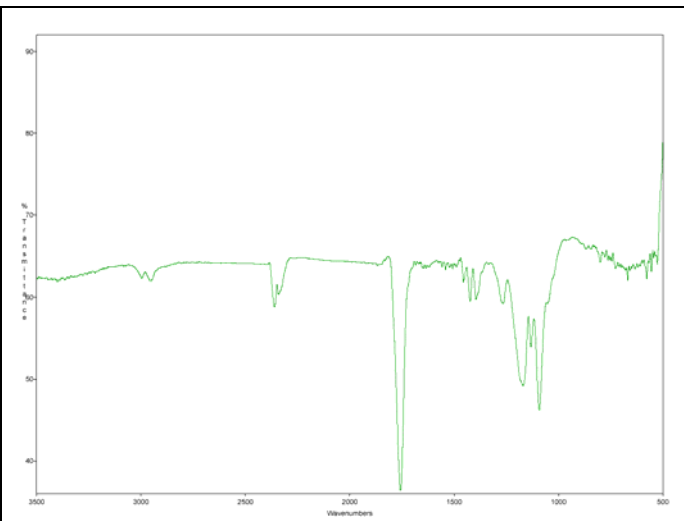
Product Name: Poly((D,L)Lactic-glycolic) Acid - Glucose MW ~40-60kDa (30821-D JSG)

HNMR



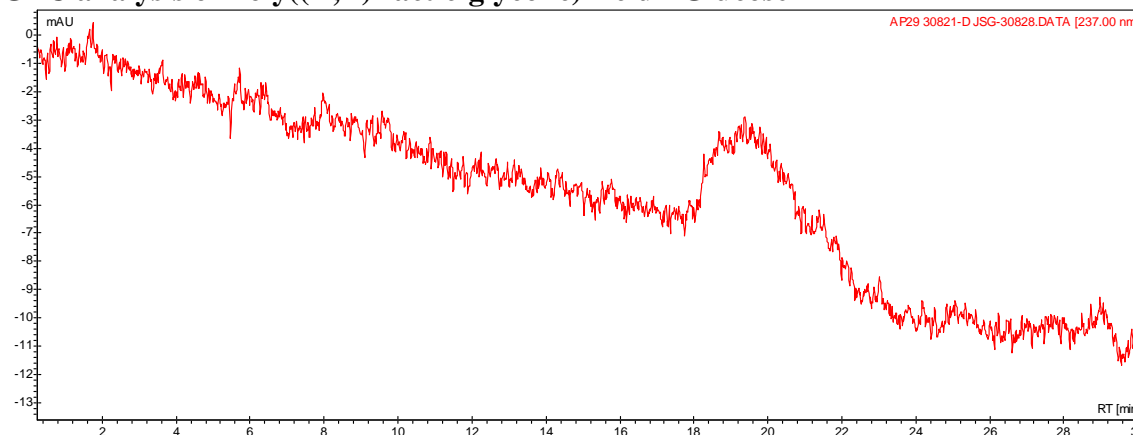
H-NMR Spectrum of PLGA-Glucose copolymers in CDCl₃ (Varian Inova 300 MHz instrument), NMR of PLGA-Glucose: GA/LA = 48%/52%

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 Poly((D,L)Lactic-glycolic) Acid - Glucose**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA-Glucose	34605	50082	1.45

- Structure of Poly((D,L)Lactic-glycolic) Acid – Glucose**

