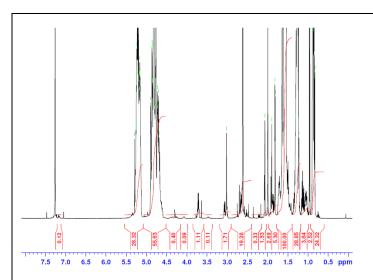
## No. AI10

## Certificate of Analysis

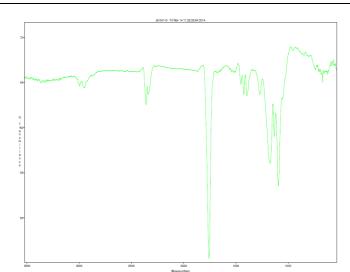


Product Name: Poly(lactide-co-glycolide) amine endcap (Mw 20,000-30,000Da)

(Lot#: 41107JSG)

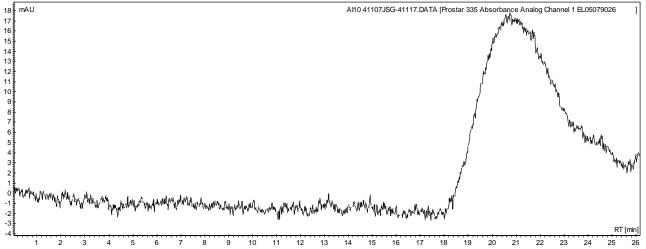


H-NMR Spectrum of PLGA-amine copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLGA-amine copolymers: LA/GA = 56%/44%



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

## GPC analysis of PLGA-NH2 copolymers



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA-NH2	13,082	22,429	1.71

## • Structure of PLGA-NH2 copolymers

$$\begin{array}{c|c} O & O \\ II & II \\ H_2N-NH-C-(CH_2)_2-C-NH-NH \\ \hline \end{array} \\ \begin{array}{c} C & CH-O \\ CH_3 \\ \hline \end{array} \\ \begin{array}{c} C \\ CH_2 \\ \hline \end{array} \\ \begin{array}{c} C \\ GA \\ \end{array} \\ \begin{array}{c} C \\ GA \\ \end{array}$$