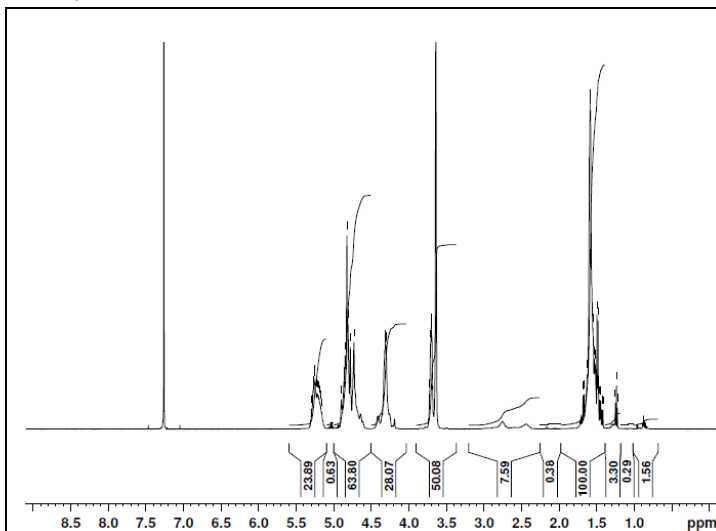


# No. AI17

# Certificate of Analysis

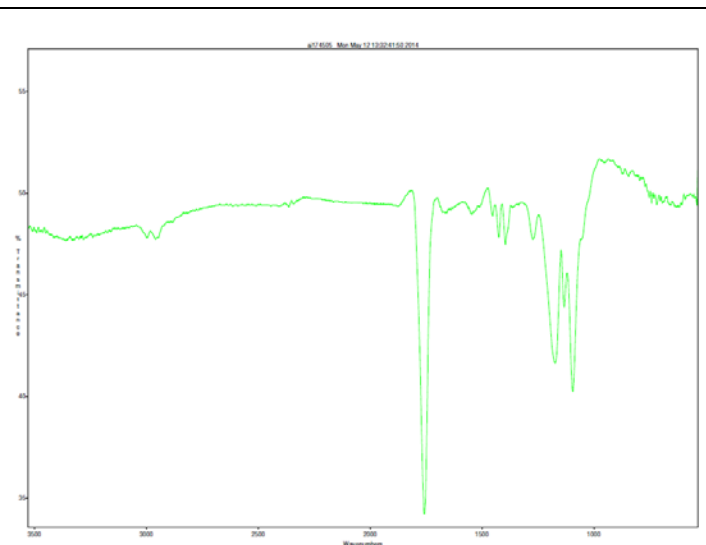
Product Name: Poly(lactide-co-glycolide) amine endcap (5,000 Da)  
(Lot#: 40505SMS)

## H-NMR



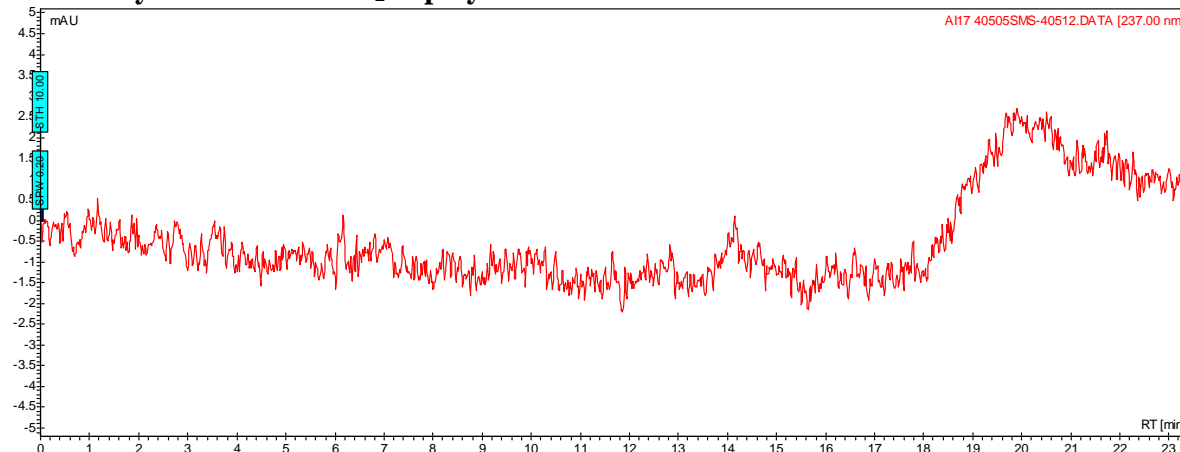
H-NMR Spectrum of PLGA-amine copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA-amine copolymers: GA/LA = 52%/48% (95% pure)

## FTIR



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

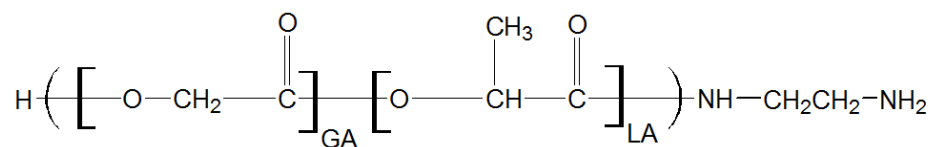
### • GPC analysis of PLGA-NH<sub>2</sub> copolymers



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

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-NH <sub>2</sub>	4726	8619	1.82

### • Structure of PLGA-NH<sub>2</sub> copolymers



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