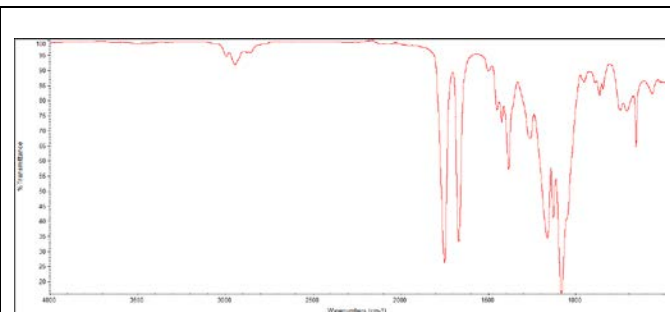
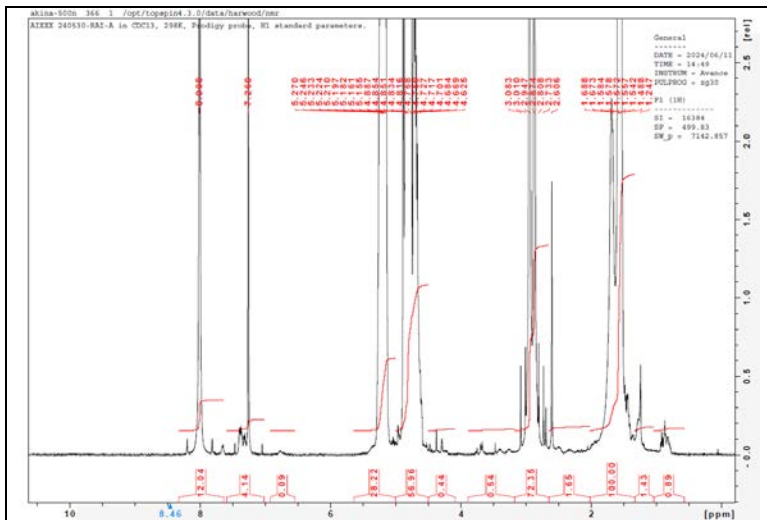


# No. AI260

# Certificate of Analysis

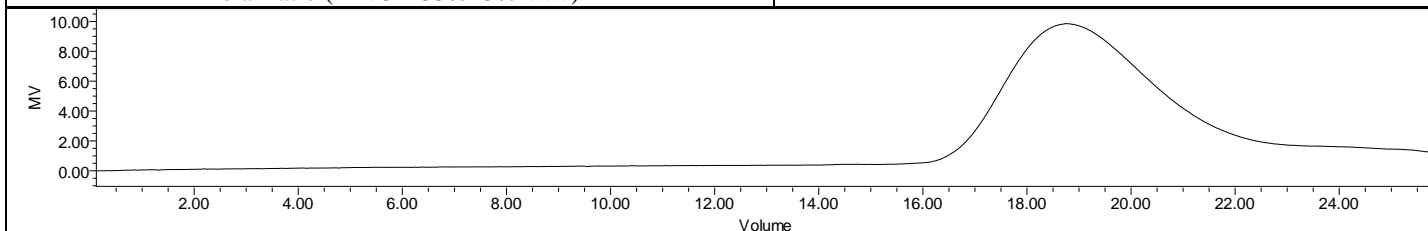


Product Name: Poly(D,L-Lactide-co-glycolide)-Dibenzocyclooctyne (L:G 50:50)  
Mn 45,000-55,000 Da (Lot #240530RAI-A)



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

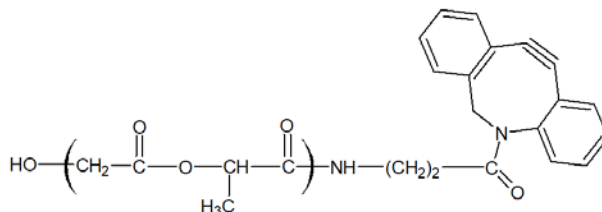
H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Bruker ≥300 MHz, PINMRF) NMR of PLGA-DBCO copolymer: LA-GA 50%-50% molar ratio (LA:GA 55%:45% w:w)



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-DBCO	45,817	67,431	1.47

## Structure of PLGA-DBCO



Approved By:  
Amie Tyler  
Quality Manager

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