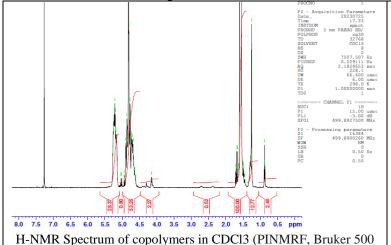
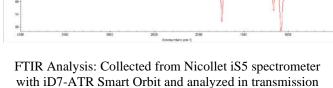
## No. CB002

## Certificate of Analysis

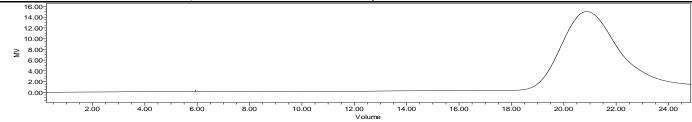


Product Name: Poly(Lactide-co-glycolide) I.V. 0.16 - 0.24 dL/g, LG 50:50, ester endcap (PDLG 5002) (Lot # 210817CPB-161)





H-NMR Spectrum of copolymers in CDCl3 (PINMRF, Bruker 500 MHz) NMR of PLGA Copolymer: 52%-48% molar ratio (57%-43%



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	M <sub>w</sub> (from	PDI
	GPC)	GPC)	
PLGA	9,622	14,913	1.55

## **Manufacturer Provided Data**



Assay	Specification	Result
Total Acid Number <sup>1</sup>	<1.0 mg KOH/g	0.2
Tin content	<50 ppm	7 ppm
Water content	<0.50%	0.02%
Residual monomer, DL Lactide	<2.0%	0.7%
Residual monomer, Glycolide	<2.0%	0.1%
Inherent Viscosity <sup>2</sup>	0.16-0.24 dL/g	0.20 dL/g
Residual solvent	<0.10%	0.00

- 1 Measured by titration
- 2 Measured at 25 °C in Chlorofom, c=1g/dL

Approved By:
Amie Tyler
Quality Manager