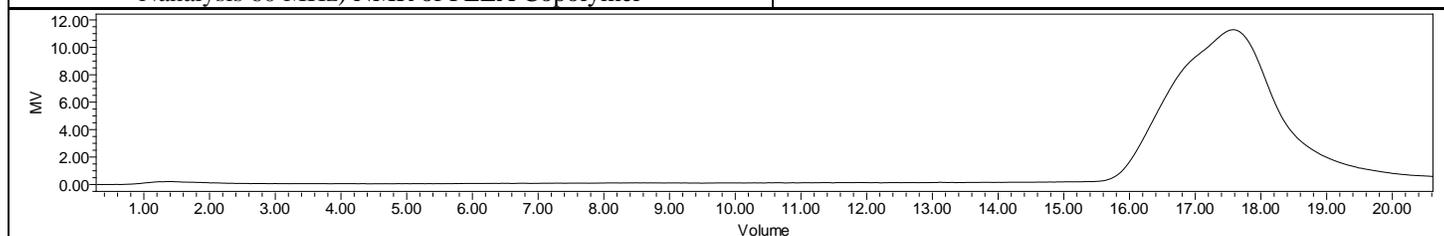
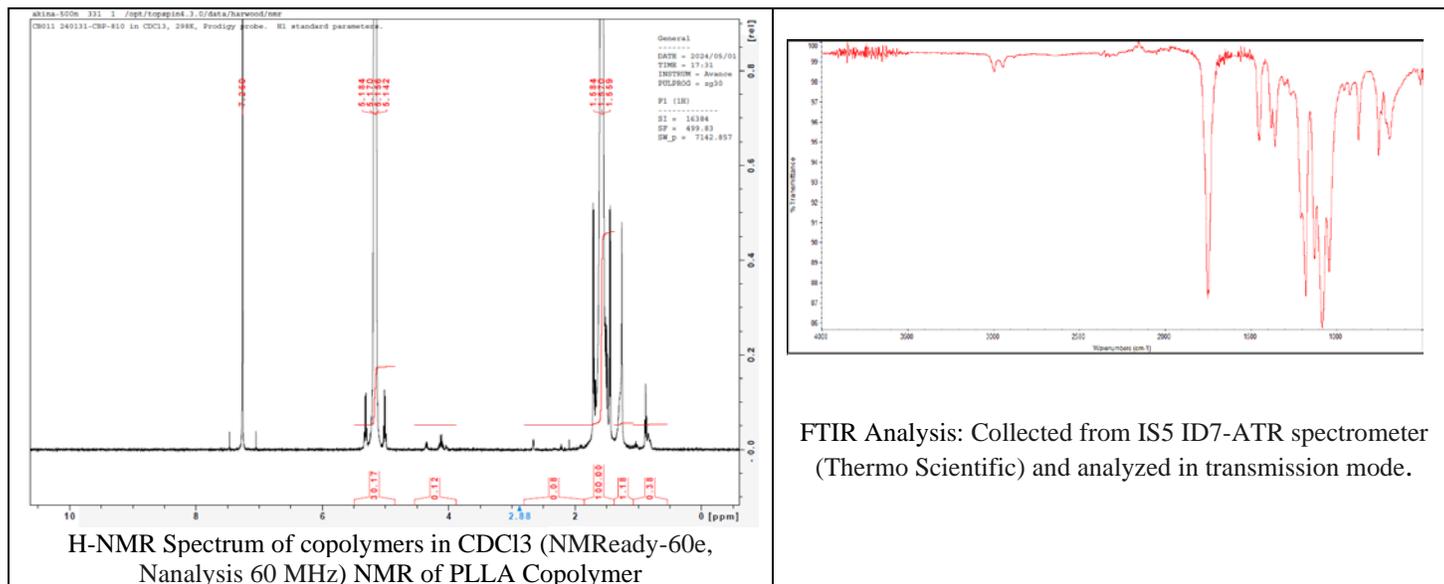


No. CB011

Certificate of Analysis



Product Name: Poly(L-Lactide) I.V. 1.5 - 2 dL/g, acid endcap (PL 18)
(Lot #240131CBP-810)



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 _n (from GPC)	M _w (from GPC)	PDI
PLLA	118,343	162,639	1.37

Manufacturer Provided Data



Assay	Specification	Result
Tin content	<50ppm	7 ppm
Water content ¹	<0.50%	0.07%
Residual monomer, L Lactide	<0.1%	0%
Inherent Viscosity ²	1.5 - 2 dL/g	1.84 dL/g
Residual solvent, Acetone	5000 ppm	14 ppm
Residual solvent, Toluene	890 ppm	0 ppm

1 – Measured by titration

2 – Measured at 25 °C in Chloroform c=1 g/dL

Approved By:
Amie Tyler
Quality Manager