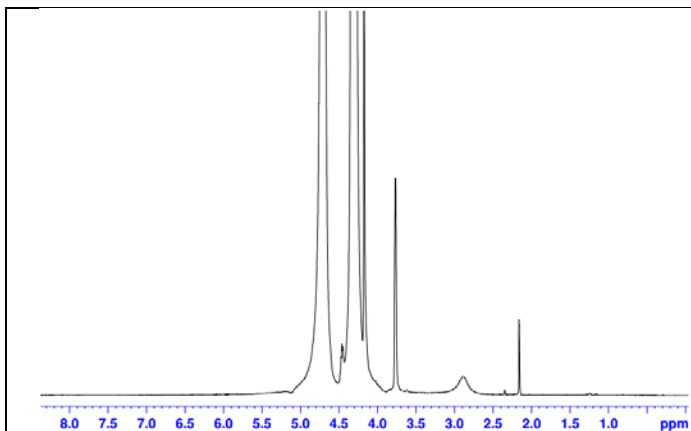


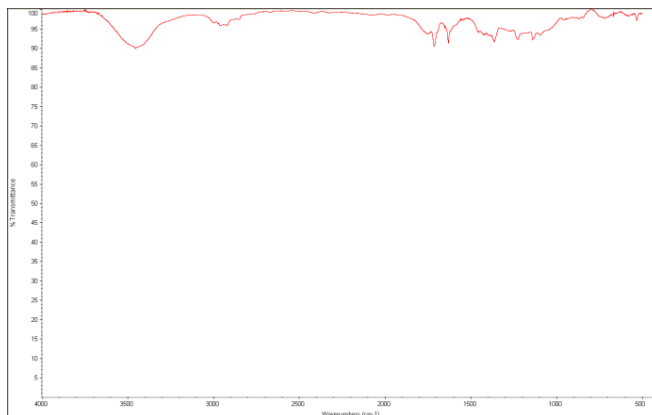
# No. AP186

# Certificate of Analysis

Product Name: Poly(dioxanone) (I.V. 1.5-2.22 dL/g) (Dioxomaxx 100) (Lot# BB0306-113D)



H-NMR Spectrum of polymer in partially deuterated HFIP (Varian Inova 500 MHz instrument), (solvent peak at 3.7 ppm from HFIP)

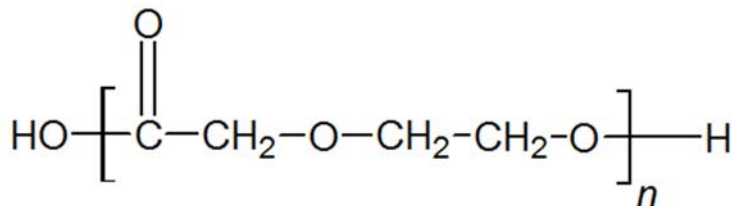


FTIR Analysis: Collected from KBR pellet placed in Nicolette Protégé 460 and analyzed in transmission mode.

## Manufacturer provided data

Test	Specification	Result
Appearance	White to off white chips or granules	White chips
Residual Monomer	Max 1% residual monomer	0.75%
Moisture	Max 0.5%	0.11%
Proton NMR Spectrum	Conforms to Structure	Conforms
Viscosity (0.1% in HFIP, 30°C)	Inherent viscosity: 1.5 to 2.2 dL/g	1.88 dL/g
Heavy Metal (Tin)	Max 50 PPM	Not Detected
Residual solvents	Max 890 PPM Toluene	Below Detection Limit (BDL)
Heavy metals	Not more than 10 PPM	Conforms
Sulphated Ash	Not more than 0.1%	Conforms

- **Structure of polymer**



Material provided for research use only. Not for human use.