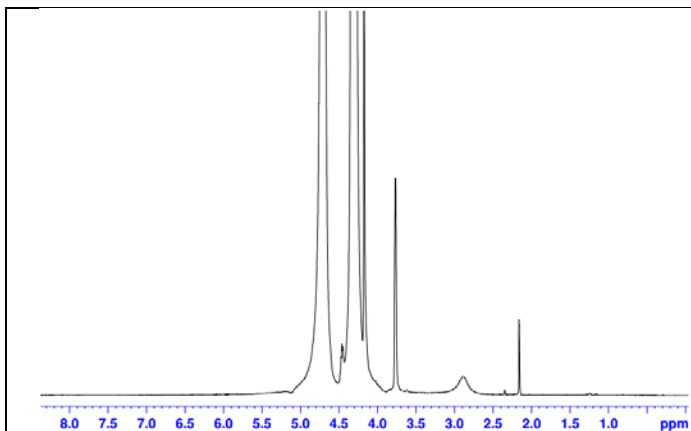


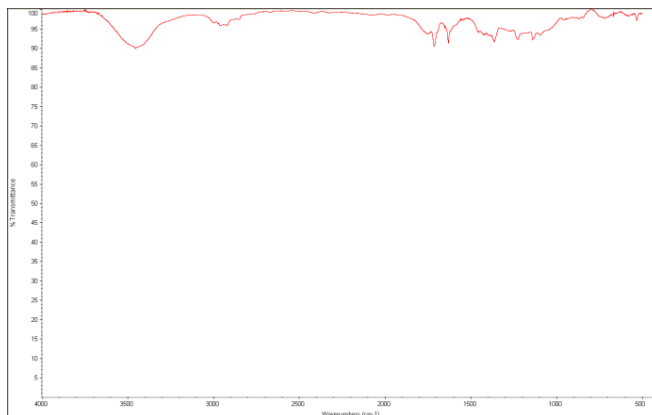
No. APB006

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)

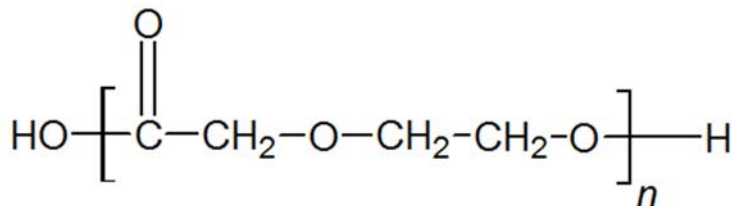


FTIR Analysis: Collected from KBR pellet placed in Nicolette Protégé 460 and analyzed in transmission mode.

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.