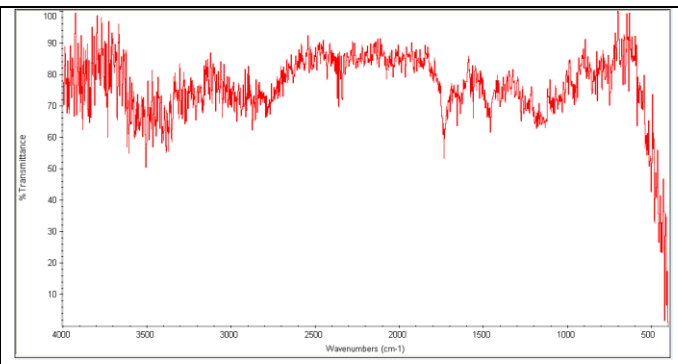
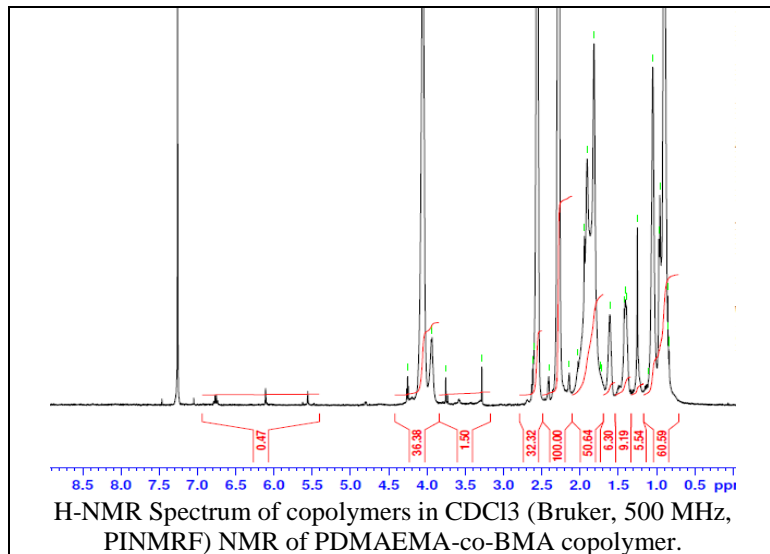


No. AO060

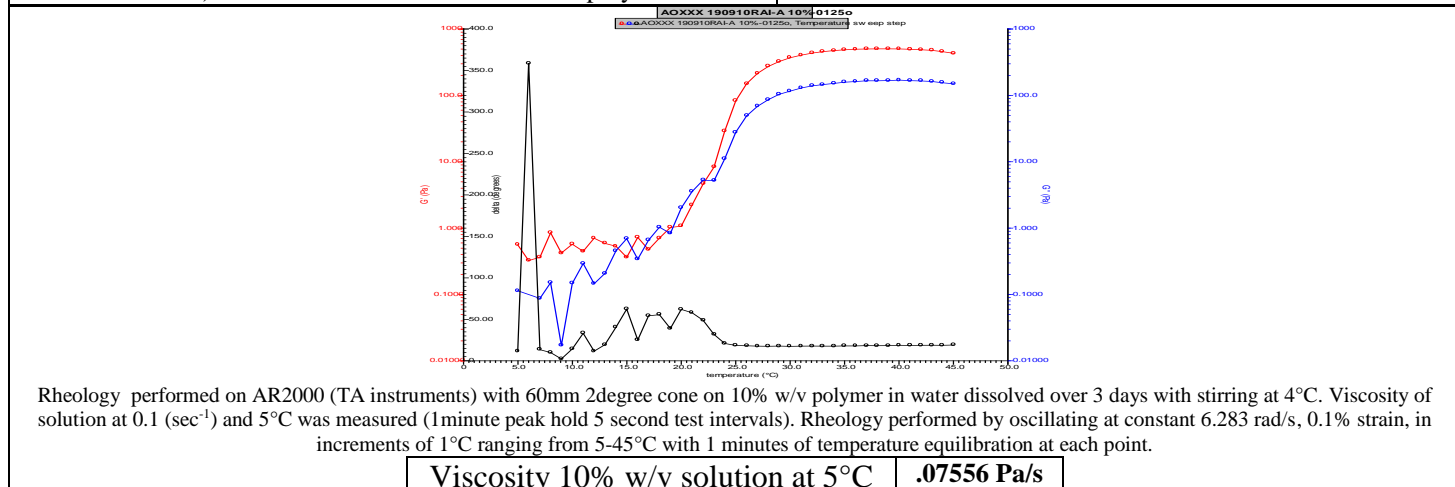
Certificate of Analysis



Product Name: Poly(dimethylaminoethyl methacrylate-co-butyl methacrylate) copolymer (90:10) (Lot#: 190910RAI-A)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



Rheology performed on AR2000 (TA instruments) with 60mm 2degree cone on 10% w/v polymer in water dissolved over 3 days with stirring at 4°C. Viscosity of solution at 0.1 (sec⁻¹) and 5°C was measured (1minute peak hold 5 second test intervals). Rheology performed by oscillating at constant 6.283 rad/s, 0.1% strain, in increments of 1°C ranging from 5-45°C with 1 minutes of temperature equilibration at each point.

Inherent Viscosity: 0.525 ± 0.001 dL/g (calculated from dynamic viscosity at 2% w/v DCM on Rheosense microVISC, n=3) at 25°C.

• **Structure of P(dmaema-BMA) copolymers**

