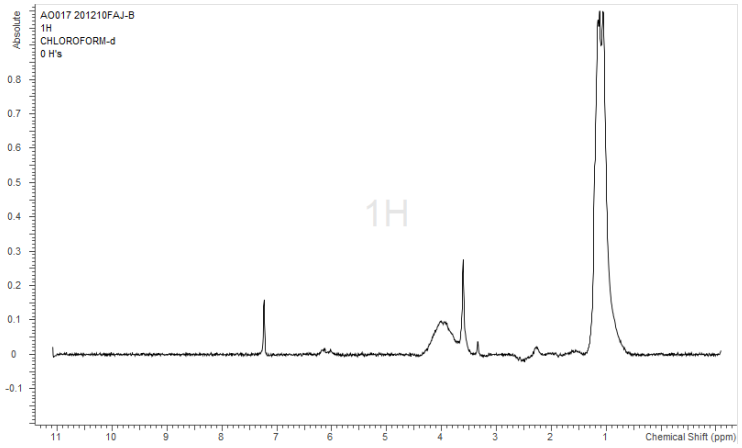
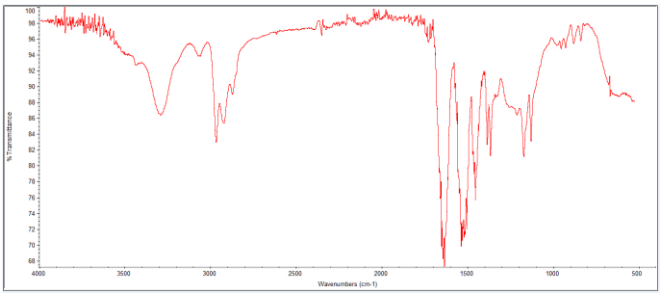
No. AO017 Certificate of Analysis

Product Name: Poly(n-isopropylacrylamide-co-methoxy polyethylene glycol Methacrylate (Mn 475Da)) copolymer (95:5) Lot# 201210FAJ-B

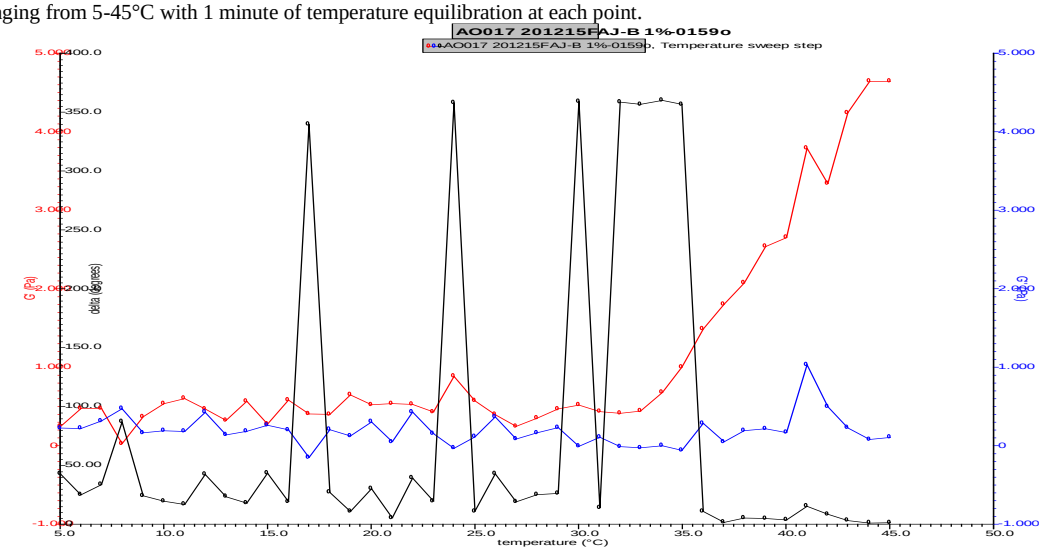


H-NMR Spectrum of P(Nipam-AA) in D_2O (NMReady-60e, Nanalysis 60 MHz)



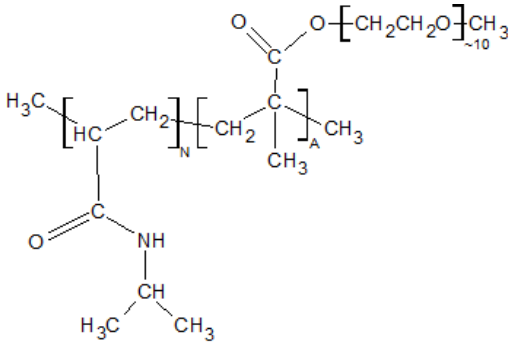
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

Rheology performed on AR2000 (TA instruments) with 60mm 2degree cone on 1% w/v polymer in water dissolved overnight 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 minute of temperature equilibration at each point.



Viscosity 20% w/v solution at 5°C	**0.2157 Pa/s**

- **Structure**



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