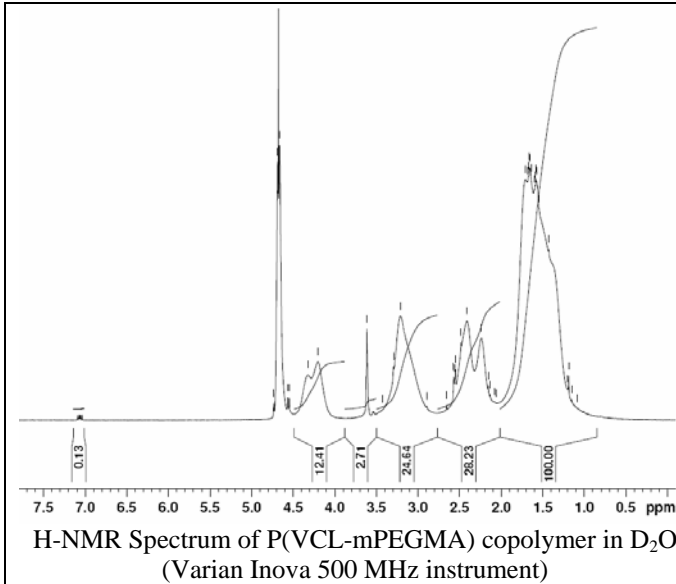


# No. AO-18

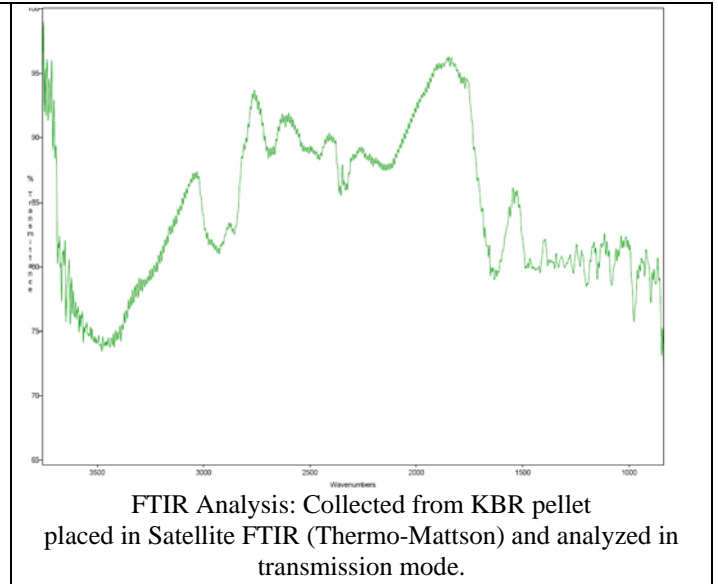
# Certificate of Analysis

Product Name: Poly(vinylcaprolactone-co-methoxy polyethylene glycol methacrylate)  
copolymer (95:5) (Lot#: 21119JSG)

## H-NMR

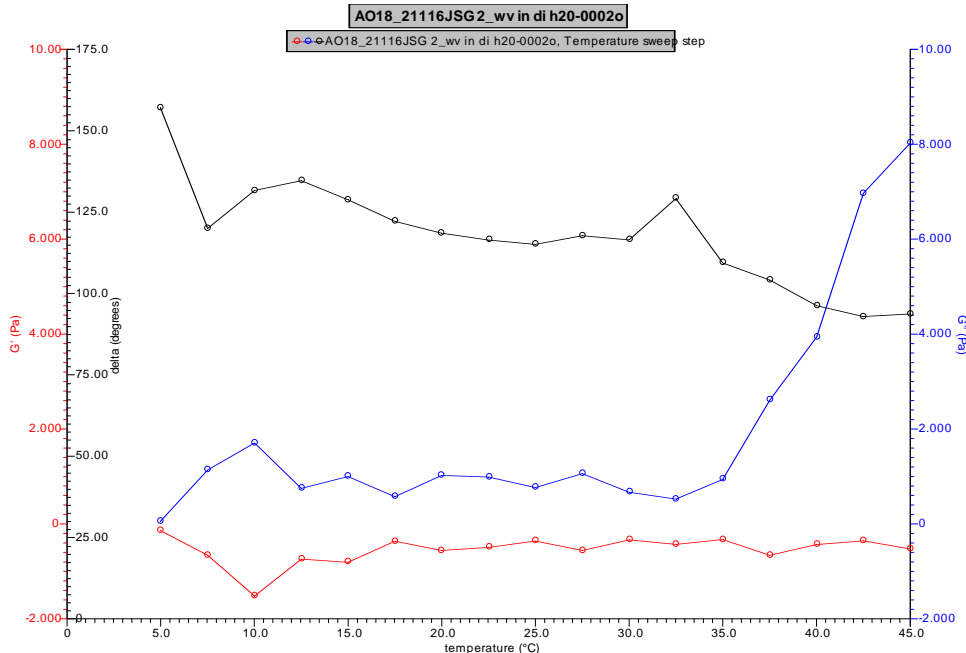


## FTIR



Rheology performed on AR550 (TA instruments) with 60mm 2degree cone on 10% w/v polymer in water dissolved overnight with stirring at 4C. Viscosity of solution at 0.1 (sec-1) and 5C 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 2.5C ranging from 5-45C with 3 minutes of temperature equilibration at each point.

### Rheology Chart



Viscosity 10% w/v solution at 5C 0.1974 Pa.s

### Structure

