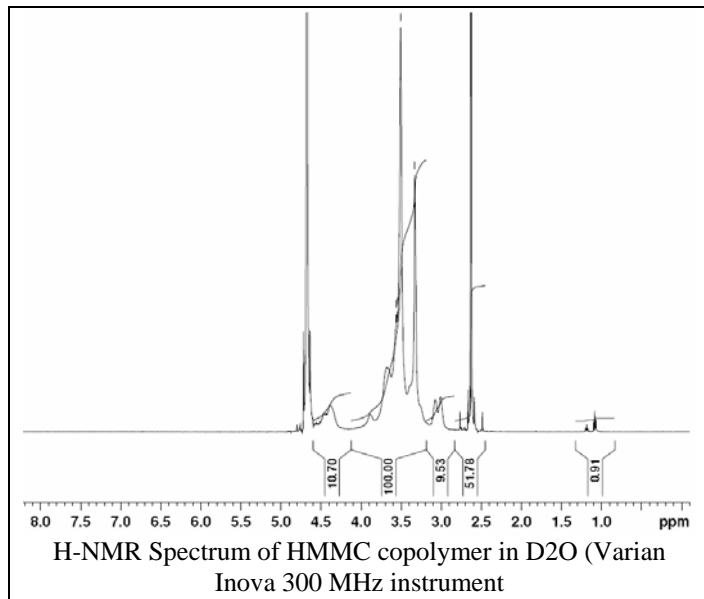


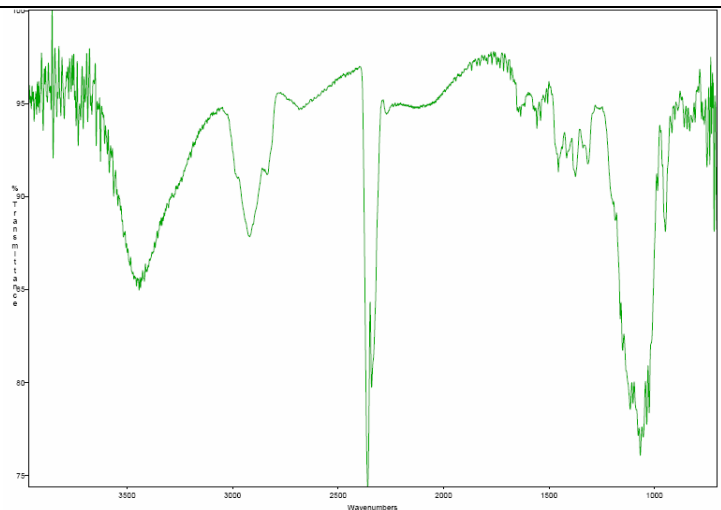
No. AO25 Certificate of Analysis

Product Name: Hydrophobically Modified Methyl Cellulose (Viscosity at 5C, 5% w/v solution, 0.2321Pa.s) (Lot# 20929JSG)

H-NMR



FTIR

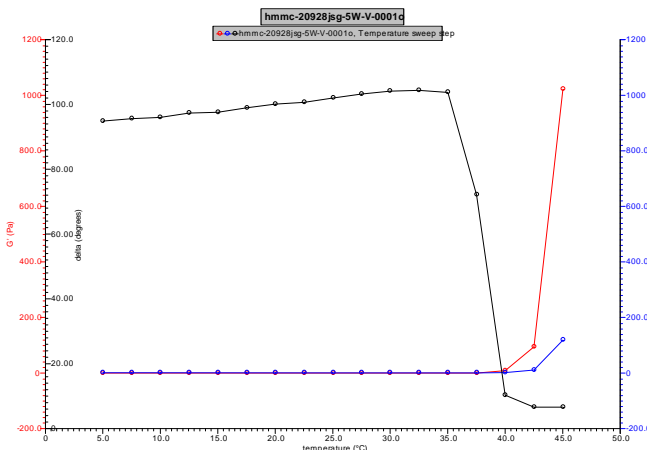


FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

Rheology

Rheology performed on AR550 (TA instruments) with 60mm 2degree cone on 5% 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.

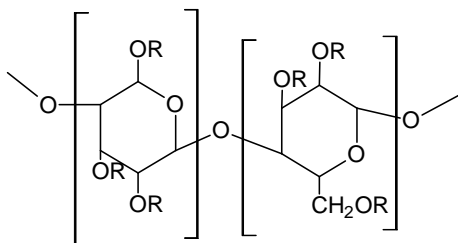
Rheology Chart



Viscosity 5% w/v solution at 5C

0.2321 Pa.s

Structure



Cellulose

