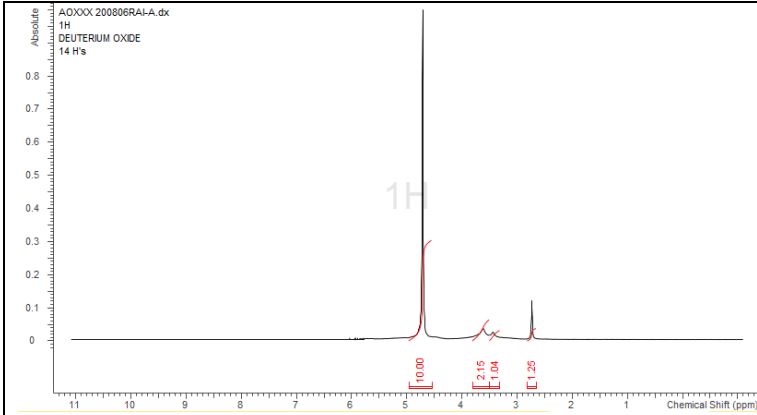


No. AO065

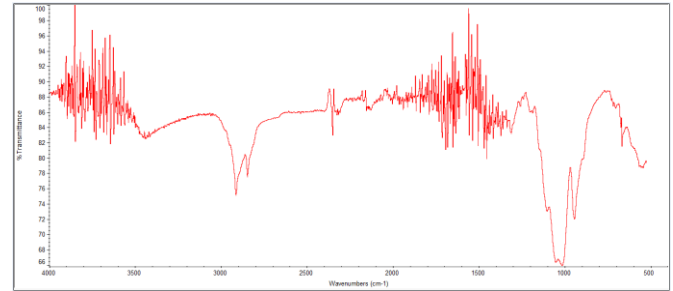
Certificate of Analysis



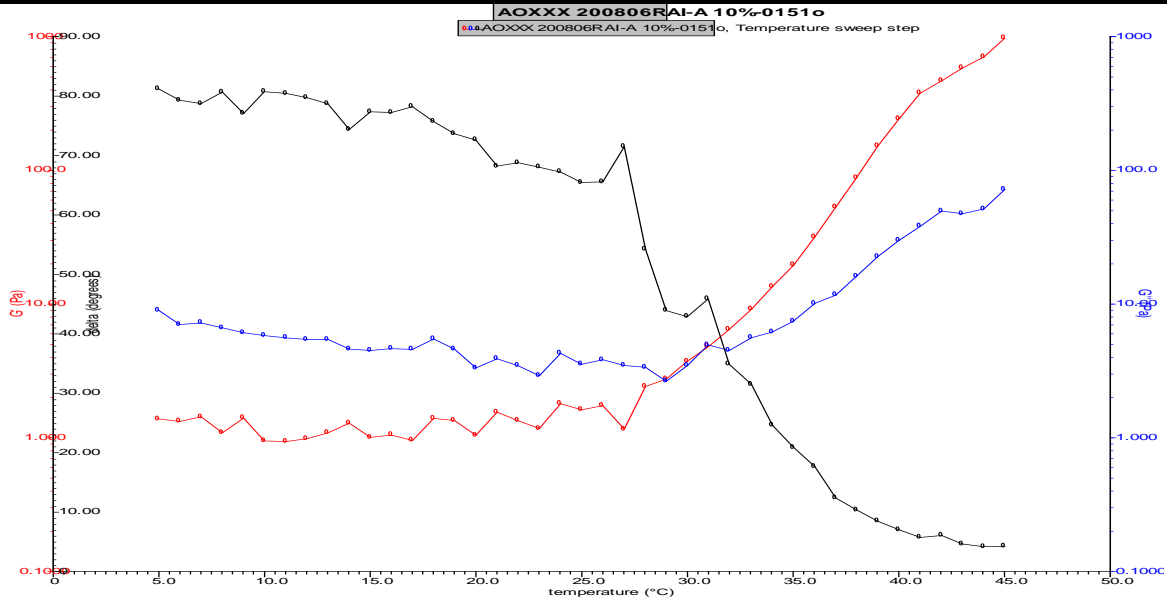
Product Name: Hydrophobically Modified Methyl Cellulose-25
(Stearate Modified, Methyl Cellulose, feed-stock 25 cP) (Lot# 200806RAI-A)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e Nanalysis) NMR of HMMC copolymer



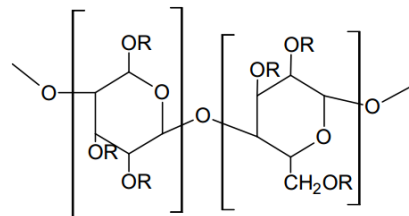
FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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.

Viscosity 10% w/v solution at 5°C **2.071 Pa/s**

Structure of HMMC



Cellulose

