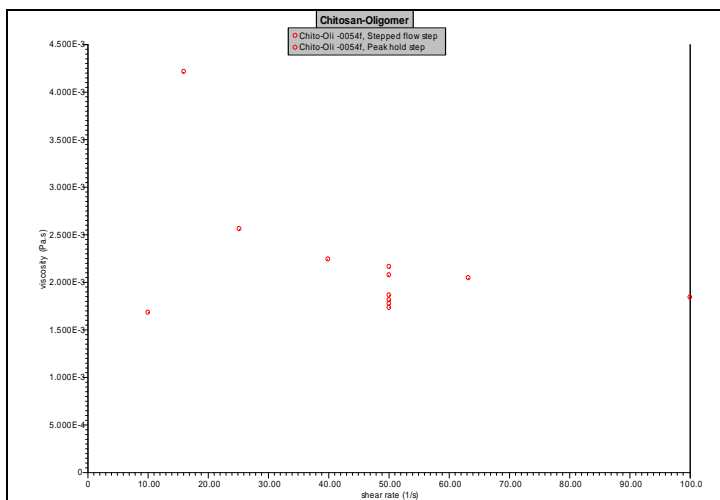
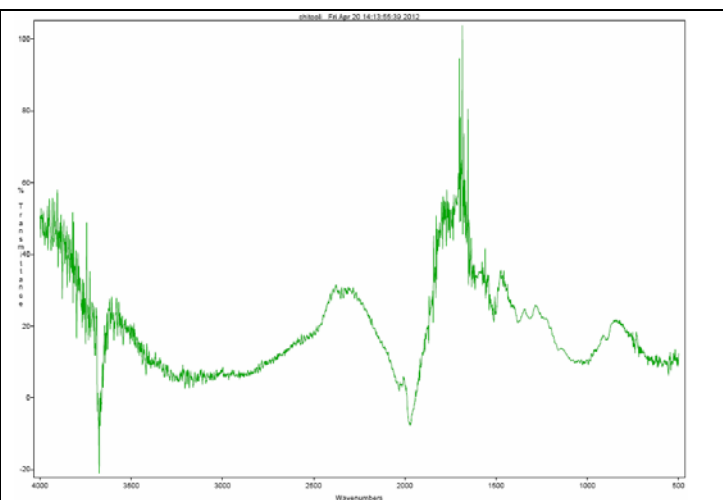


No. KITO-1 Certificate of Analysis

Product Name: Chitosan low molecular weight water soluble oligomer

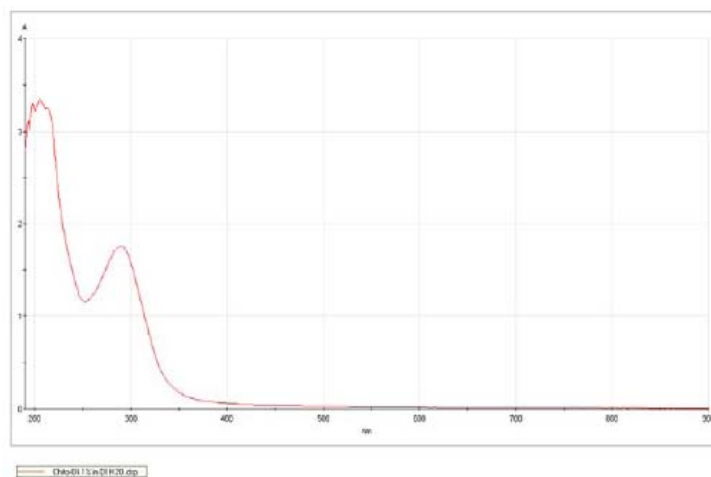


Average Viscosity of Chitosan-oligomer at 50sec^{-1} : 1.9 cP (1% solution in deionized water, analyzed on TA Instruments (Advanced Rheometer AR550))



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

- **UV-Vis analysis of Chitosan-Oli monomer**



Analysis method: Chitosan-Oli 1% solution in deionized H₂O performed on Genesys6 spectrophotometer (Thermo Electron Corporation).

- **Structure of Chitosan-Oli monomer**

