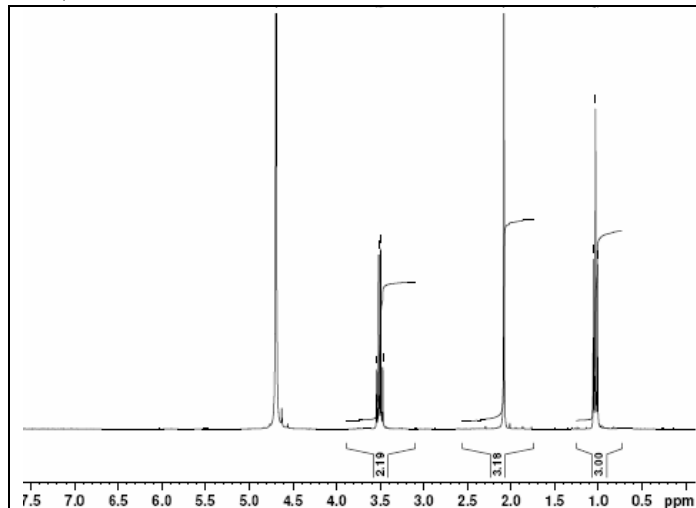


No. Kito-5

Certificate of Analysis

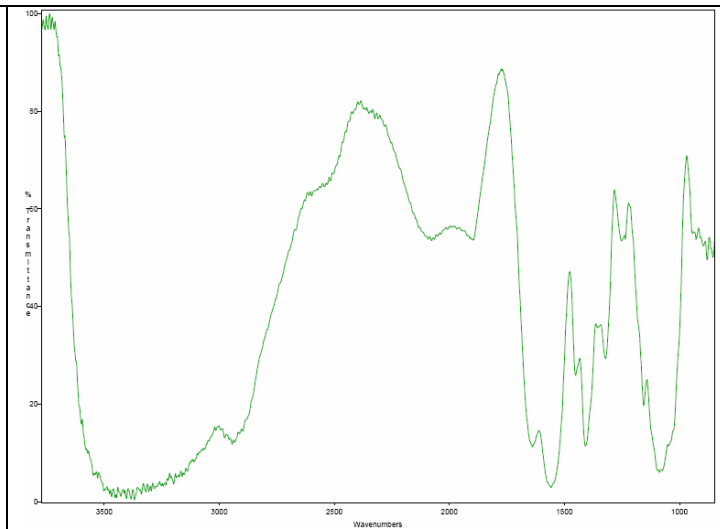
Product Name: Chitosan-b-poly(acrylic acid) (41% mole AA grafting/mole chitosan by HNMR analysis) (Lot# 20914JSG) Rev: A

H-NMR



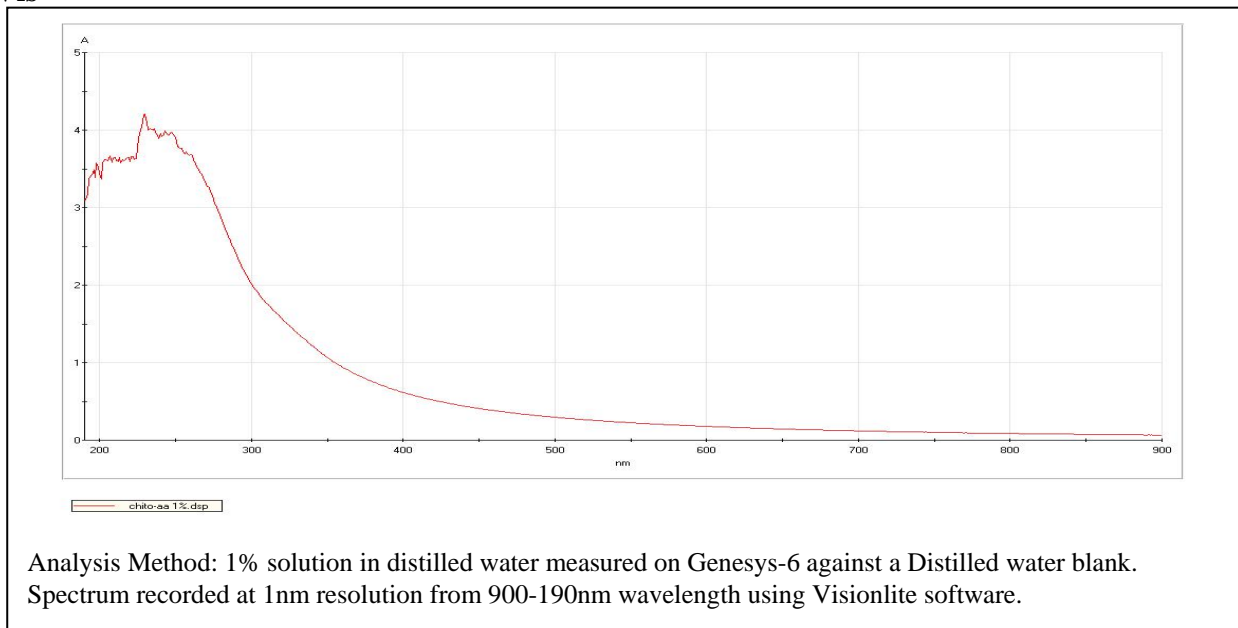
H-NMR Spectrum of Chitosan-AA polymer in D2O (Varian Inova 500 MHz instrument) (3.5ppm – chitosan 1H, 1.1ppm-2H AA) 41% AA/Chitosan residue m/m

FTIR



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

UV-Vis



Analysis Method: 1% solution in distilled water measured on Genesys-6 against a Distilled water blank. Spectrum recorded at 1nm resolution from 900-190nm wavelength using Visionlite software.

- **Chemical Structure**

