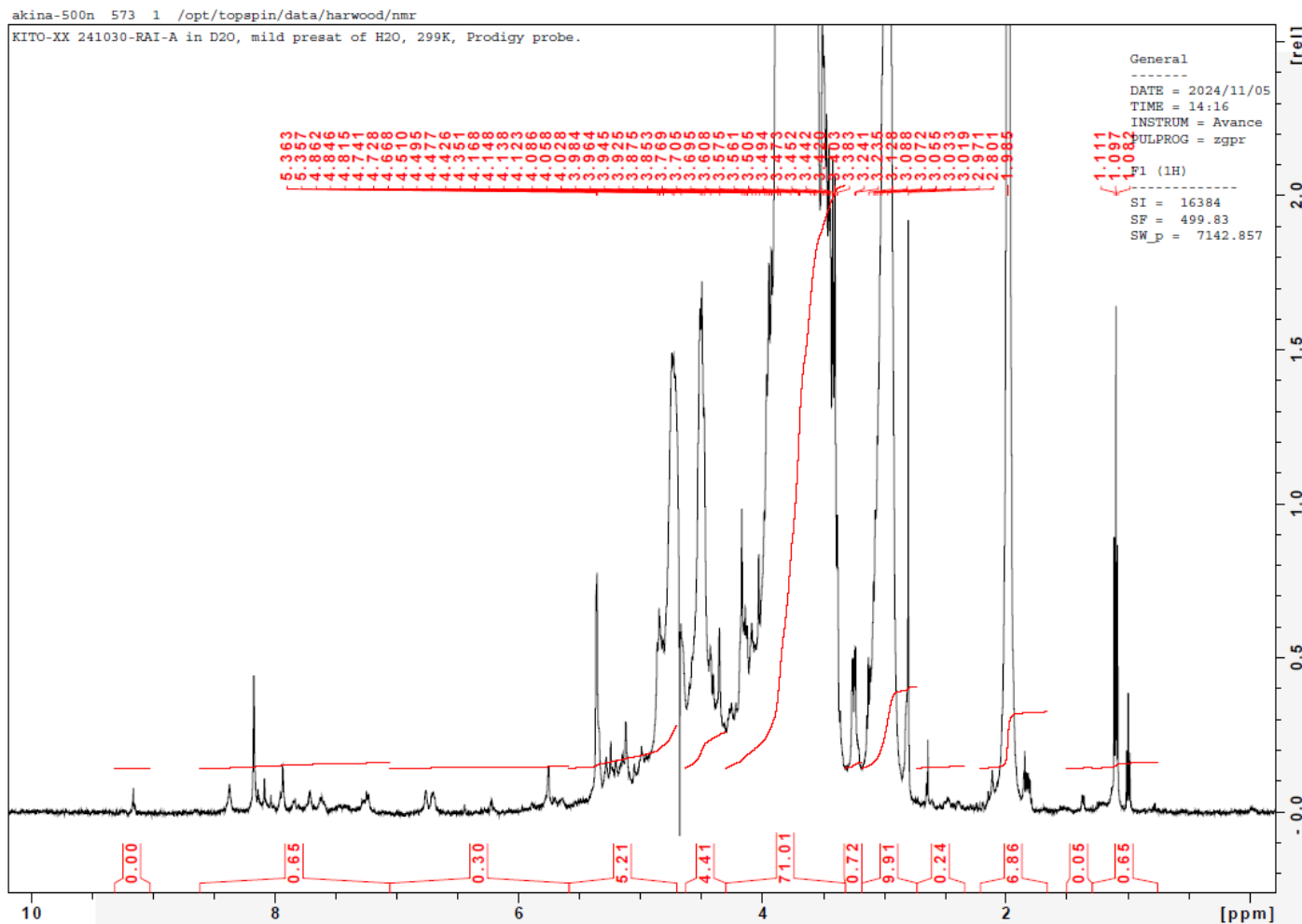


No. KITO-11 Certificate of Analysis



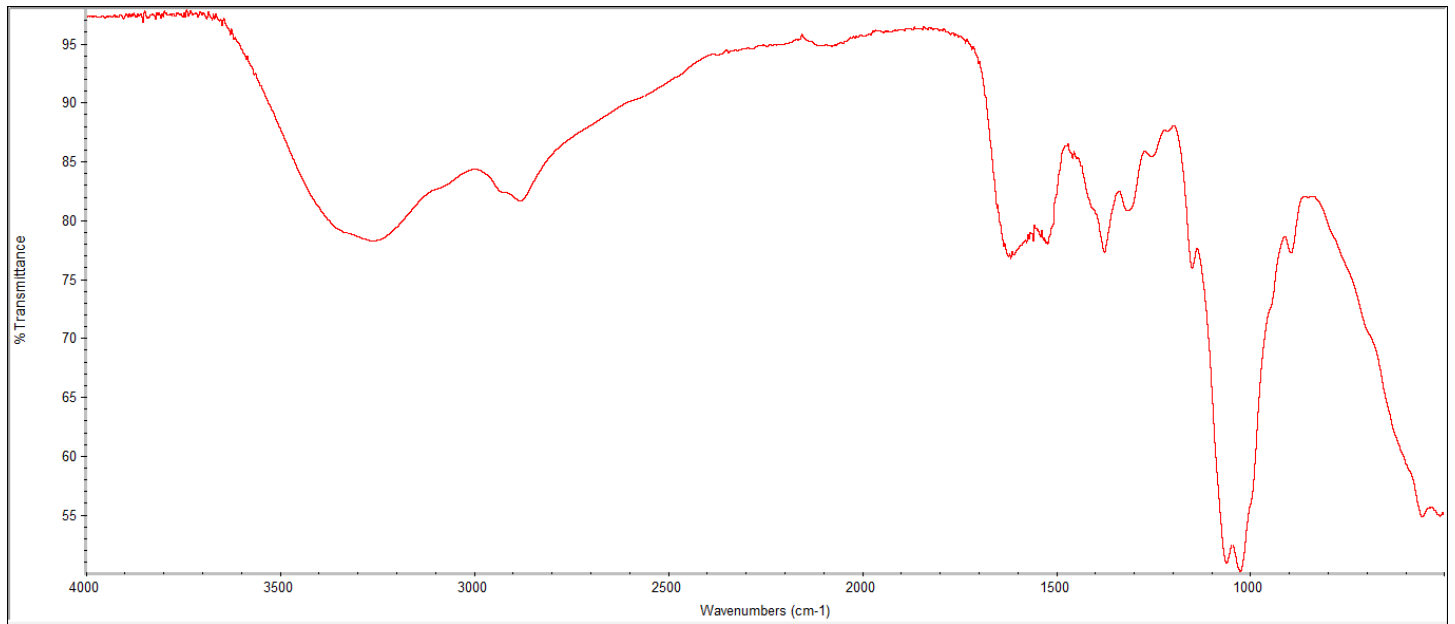
Product Name: Chitosan-Fluorescein conjugate (Low molecular weight water-soluble oligomer-Fluorescein) (Lot#: 241030RAI-A)

H-NMR



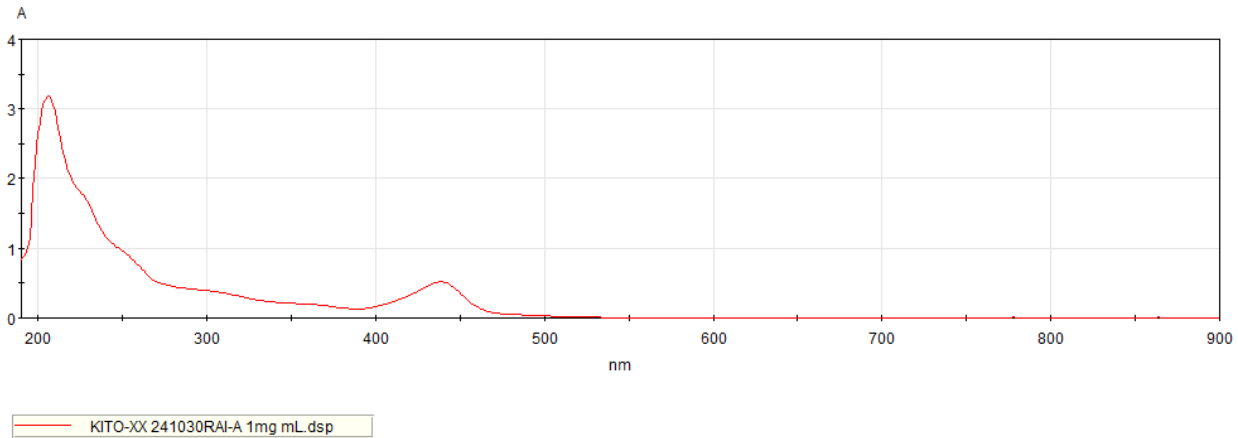
H-NMR Spectrum of copolymers in CDCl₃ (Bruker ≥300 MHz, PINMRF) NMR of Chitosan-Fluorescein

FTIR



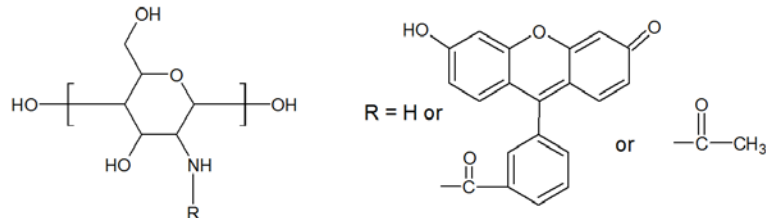
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.

DYE CONTENT



Dye Content: Testing of absorbance of polymer in 1% HCl solution at 438 nm as compared to series of Fluorescein free-acid standards has indicated a dye content of: 26.67 $\mu\text{g}/\text{mg}$ total polymer.

Structure of Chitosan-fluorescein copolymers



Approved By:
Amie Tyler
Quality Manager