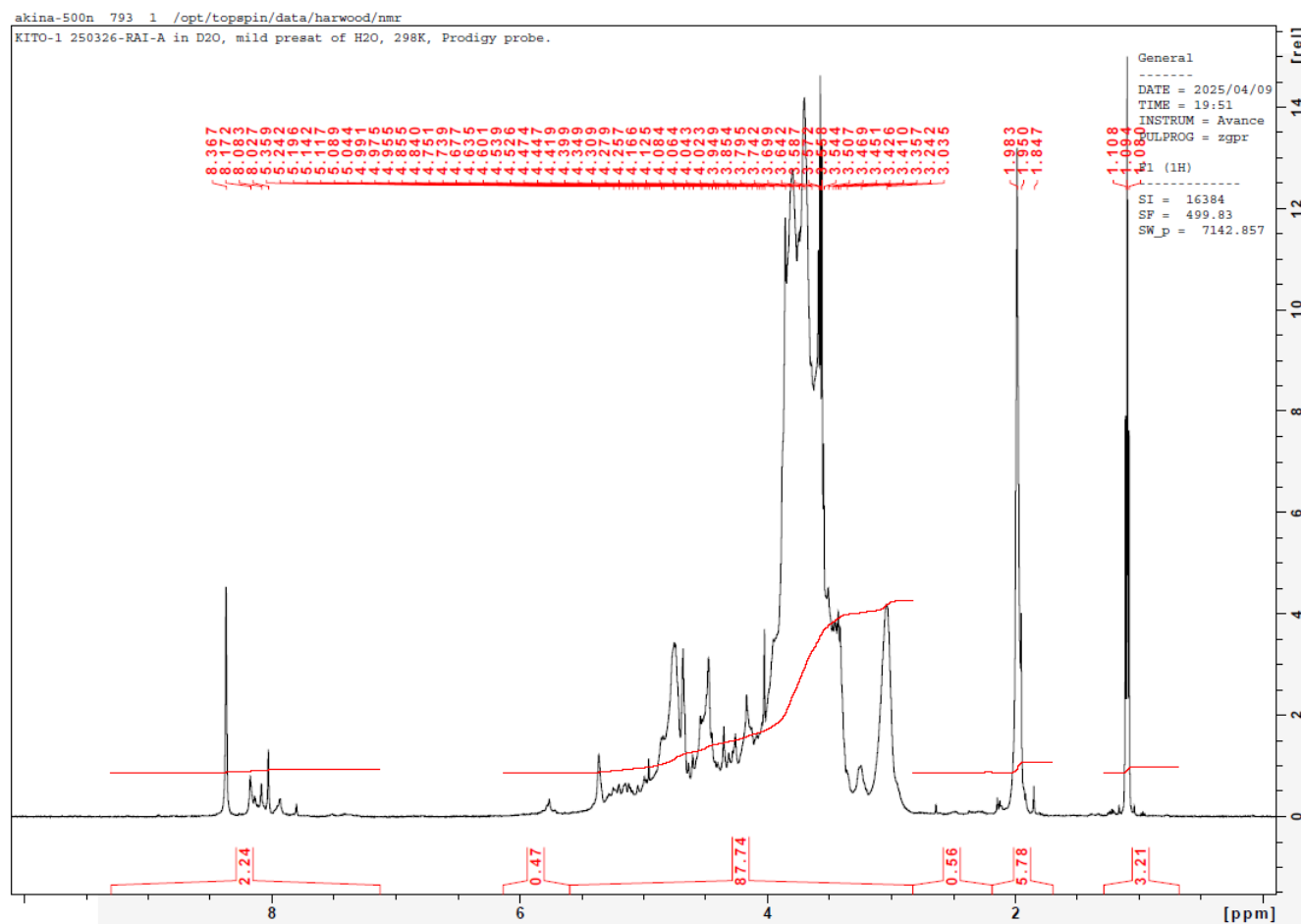


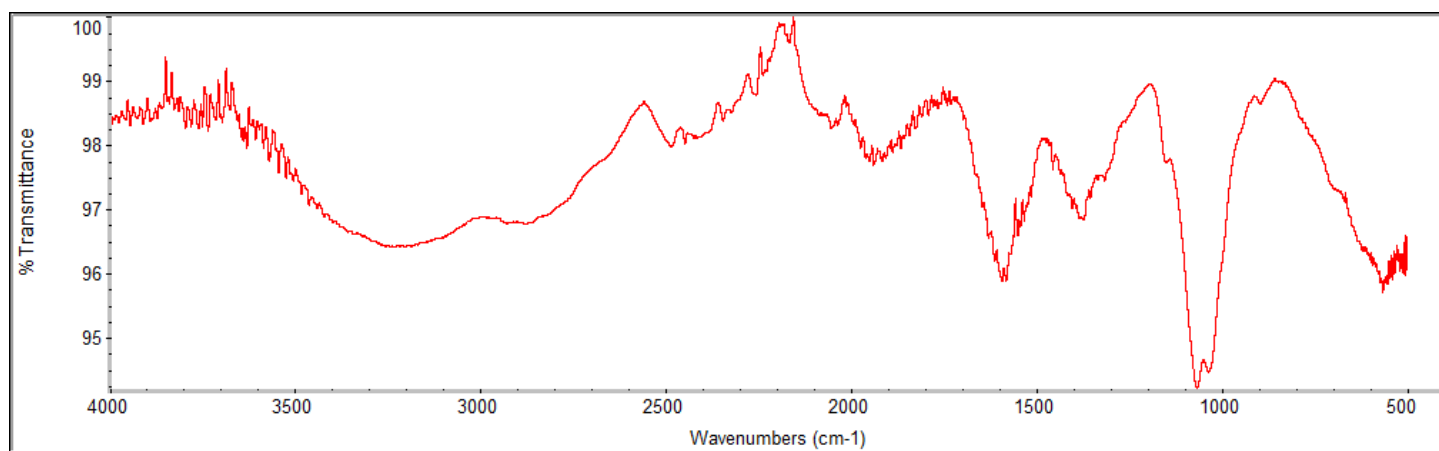
Product Name: Chitosan low molecular weight water soluble oligomer (Lot#: 24503261RAI-A)

## H-NMR



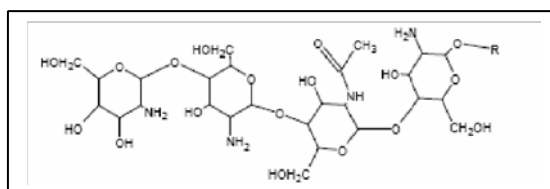
**H-NMR** Spectrum of copolymers in D2O (NMReady-60e, Nanalysis 60 MHz) NMR of Chitosan.

## FTIR



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

## Structure of Chitosan copolymers



Approved By:  
*Amie Tyler*  
Quality Manager