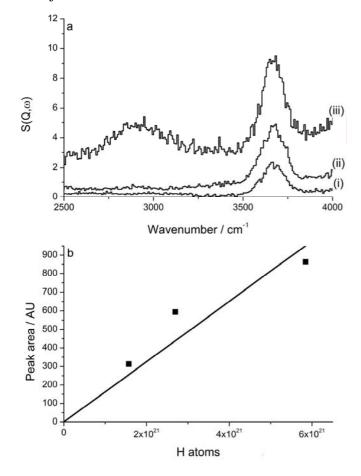
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<u>Figure S1</u>: (a) INS spectra of talc  $(Mg_3Si_4O_{10}(OH)_2)$  in the region 2500-4000cm<sup>-1</sup> for three different masses of talc: (i) 494 mg (ii) 848 mg and (iii) 1840 mg. (b) A plot of integrated band intensity of the v(O-H) mode of talc as a function of the number of hydrogen atoms for a given mass. The straight line represents a linear least squares fit to the data.