

Electronic Supplementary Information

Figure S1: Graph plotting the total % Ca content (based on total sample mass), determined by x-ray fluorescence analysis, in the materials after 0, 1, 2 or 3 washes with hydrochloric acid at either 0.1 M or 0.5 M.

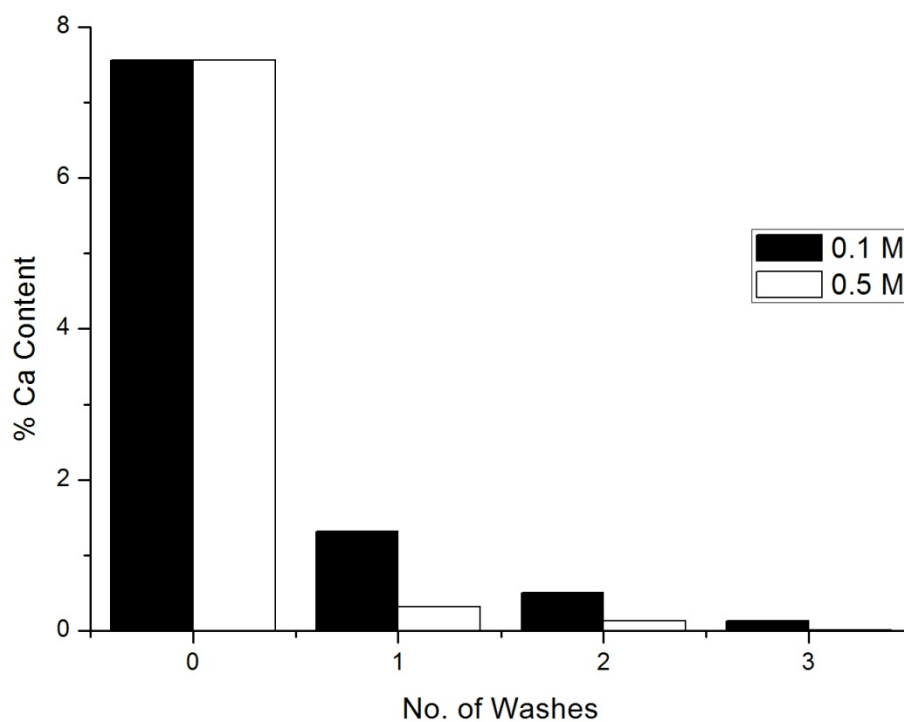


Figure S2: FT-IR spectra of calcium alginate aerogel precursor (black) and a commercial calcium alginate standard (red)

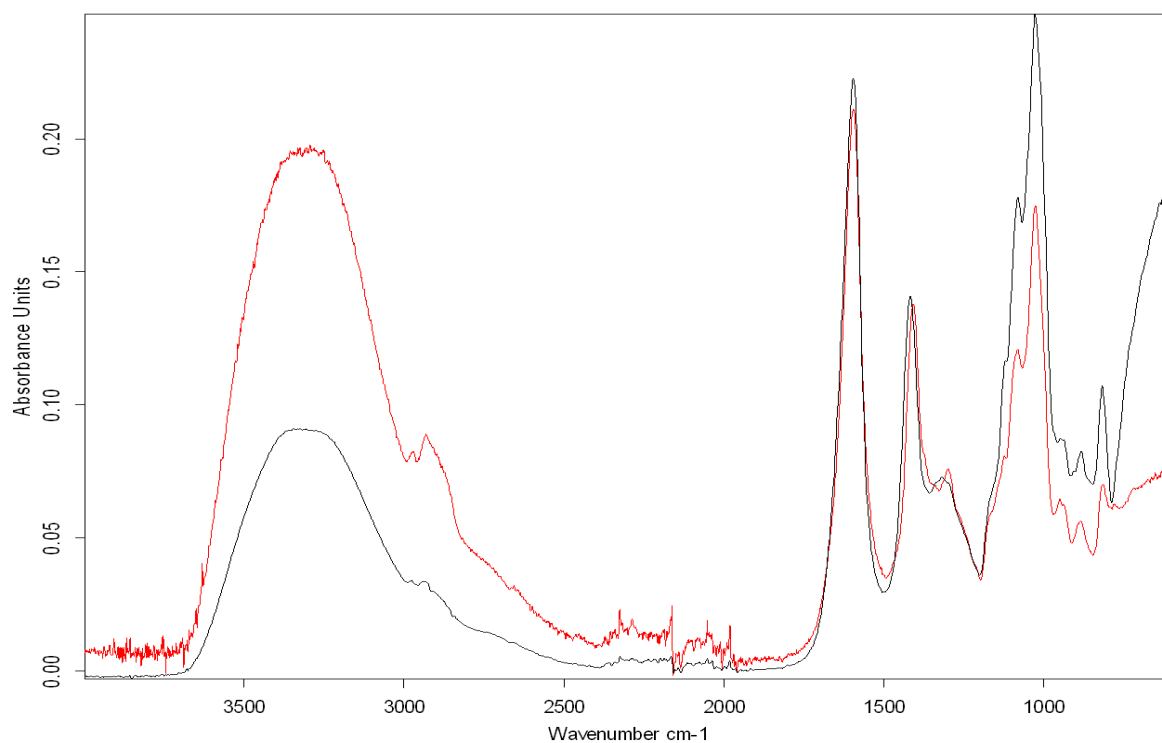


Figure S3: N₂ sorption porosimetry isotherms and hysteresis loop of a) Starbon[®] pyrolysed to 800 °C; b) 0.1 M HCl acid once washed AMCS pyrolysed to 800 °C; and c) Hypersil PGC. The black line represents the adsorption isotherm and the red line represents the desorption isotherm.

