

Supporting Information

Assembly of jammed colloidal shells onto micron-sized bubbles by ultrasound

C Buchcic^{1,2,*}, RH Tromp^{1,3}, MBJ Meinders^{1,4},
MA Cohen Stuart²

¹Top Institute Food and Nutrition, Wageningen, The Netherlands

²Laboratory of Physical Chemistry and Colloid Science, Wageningen, The Netherlands

³Nizo Food Research, Ede, The Netherlands

⁴Wageningen UR, Food and Biobased Research, Wageningen, The Netherlands

*e-mail: christian.buchcic@wur.nl

Electrokinetic charge of the colloidal particles

The electrokinetic charge of the synthesized particles was analysed with a Malvern Nanosizer S apparatus. Prior analysis the particle dispersion was diluted with water. Adjustment of the pH was done through dropwise addition of 0.1 M hydrochloric acid respectively 0.1 M sodium hydroxide under exclusion of air. About 750 μ l of particle dispersion was filled into a disposable folded capillary cell. The applied electrical current was automatically regulated by the in-built software algorithm. Zeta potential vs. pH is depicted in Fig. S 1.

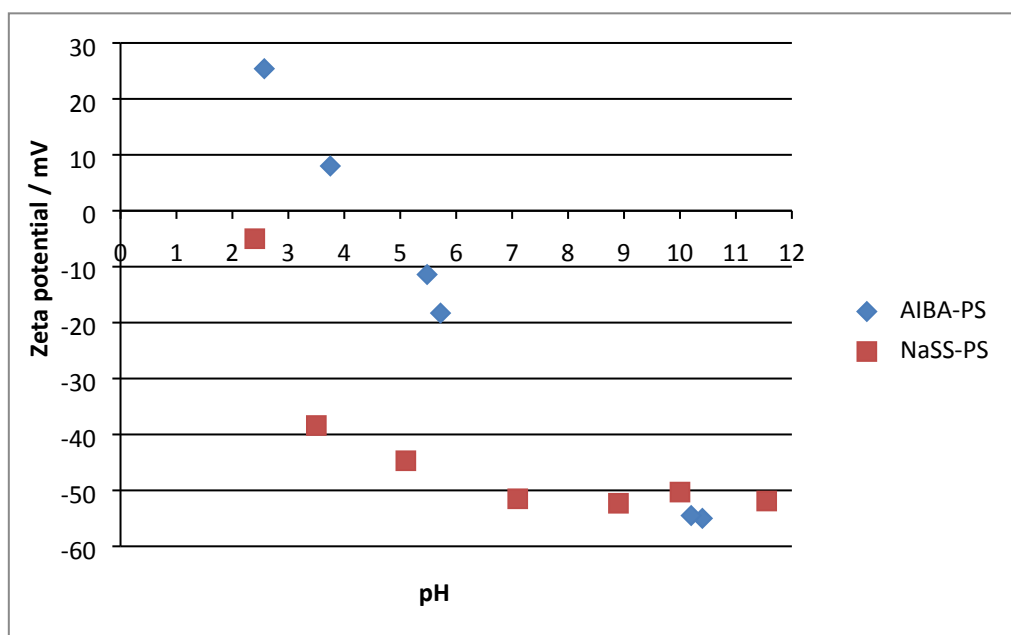


Fig. S 1: Particle zeta potential as function of pH