Supplementary material (ESI) for Journal of Materials Chemistry

SUPPLEMENTARY INFORMATION

FIGURE S1.

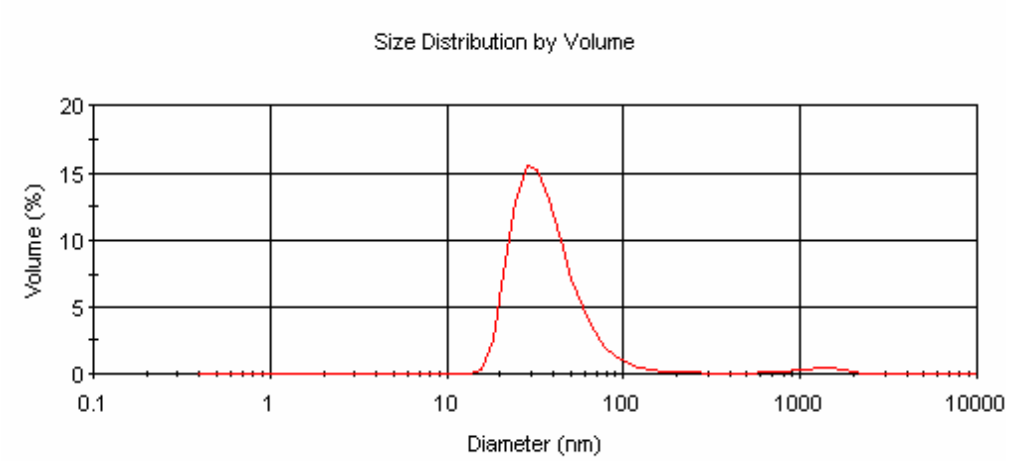

Figure S1. Light scattering measurements of CP NP dispersions stabilized by CEPA.

PDDA was added to each sample to from a standard peak to which a peak from various concentrations of CEPA could be compared. The difference in height between a peak from a known concentration of CEPA and the standard PDDA peak was used to make a calibration graph of concentration of CEPA used verses this difference. From this calibration, the concentration of CEPA in the particle suspension could be analyzed. The volume of the drop used for analysis, along with the mass of the dried sample, was then used to find the weight percent of CEPA.

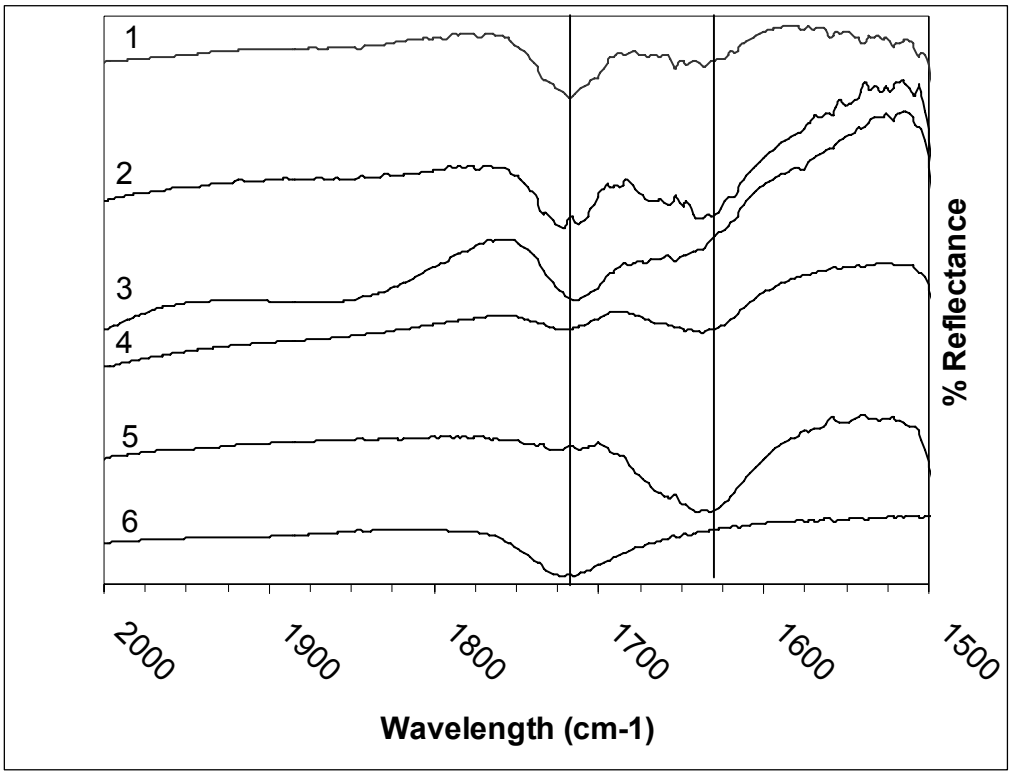

Figure S2. FTIR spectra of CP NP dispersion along with CEPA solutions with PDDA standard. (1) 0.39g/L CEPA w/ PDDA (2) 0.196g/L CEPA w/ PDDA (3) CP NP sample w/ PDDA (4) 0.0975 g/L CEPA w/ PDDA (4) Pure PDDA (5) Pure CEPA