

Role of aspartic and polyaspartic acid on the synthesis and hydrolysis of brushite.

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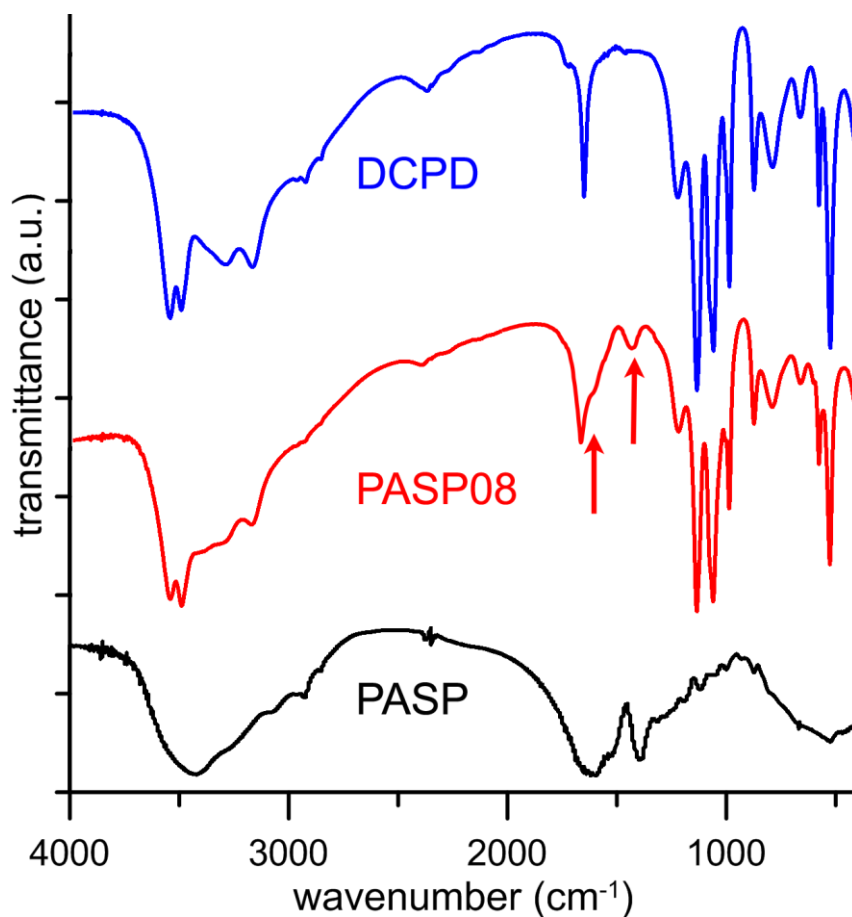


Figure S1: FT-IR spectra of the DCPD and PASP08 synthesized samples, compared with that of PASP powder.

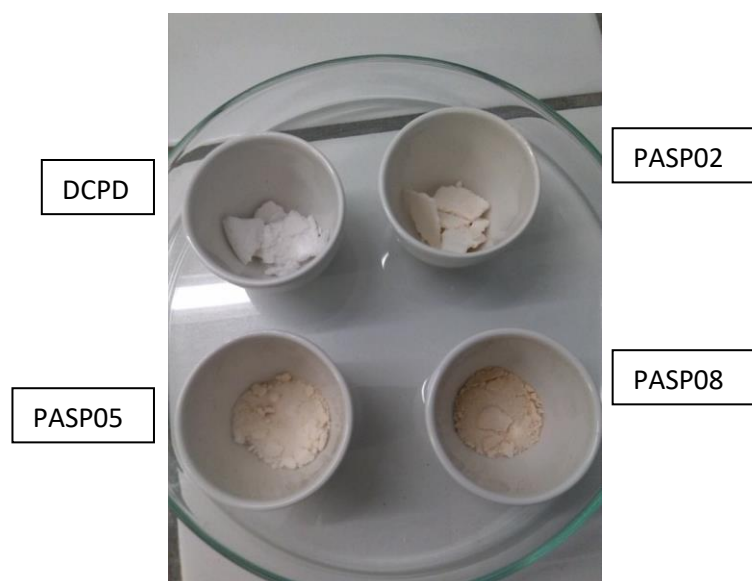


Figure S2: picture of the samples obtained from the synthesis of DCPD in the presence of increasing concentrations of PASP after heat treatment at 300 °C. Powders display a pale yellow color, which becomes darker on passing from PASP02 to PASP08, due to the partial combustion of organic material and residual C remains.

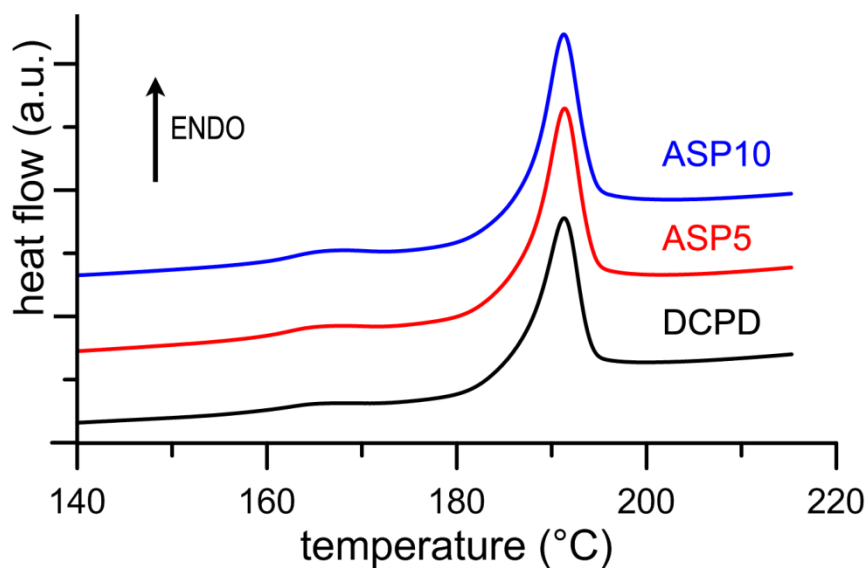


Figure S3: DSC plots showing the thermal behavior of the products obtained from the synthesis of DCPD in the presence of increasing concentrations of ASP.

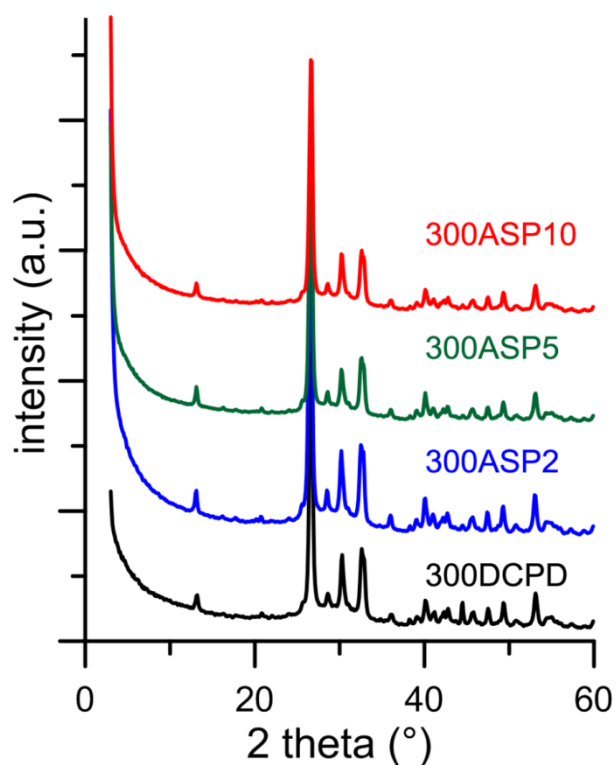


Figure S4: Powder X-ray diffraction patterns of the products obtained from the synthesis of DCPD in the presence of increasing concentrations of ASP after heat treatment at 300 °C.

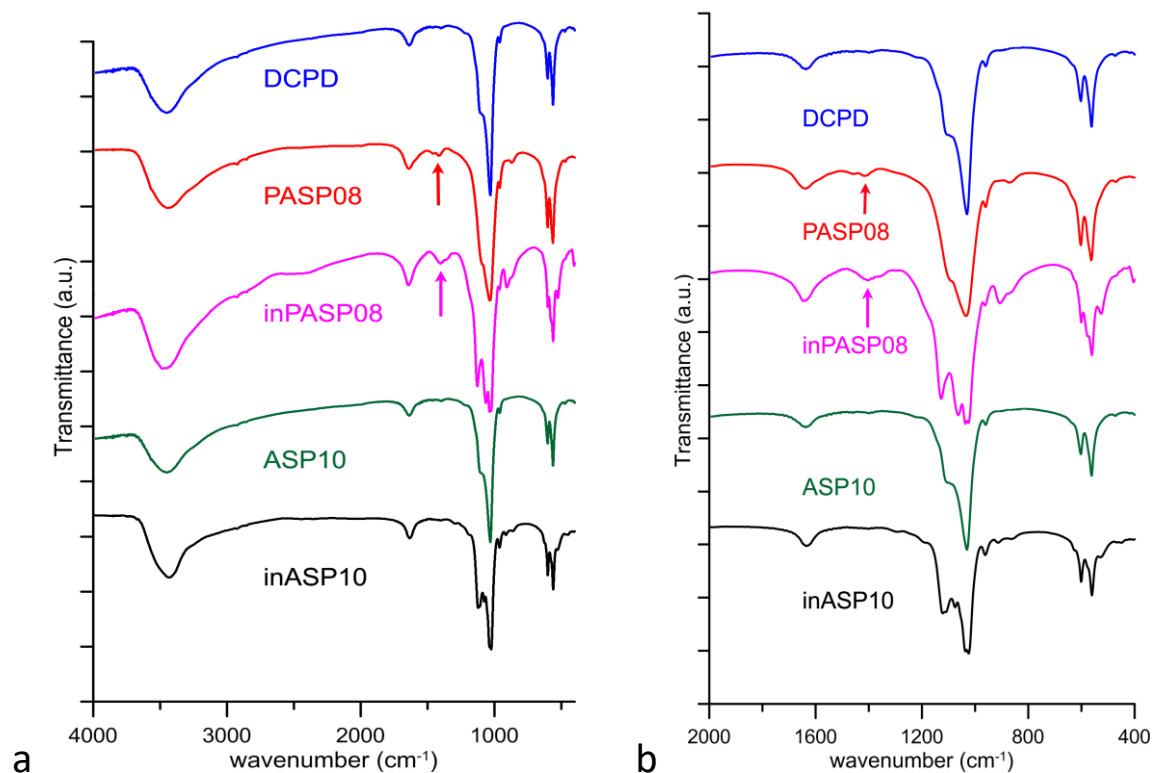


Figure S5: (a) FT-IR spectra of the different samples after 3 days of hydrolysis at 60°C; (b) enlargement of the 400-2000 cm⁻¹ part of the spectra.