

Supplementary files

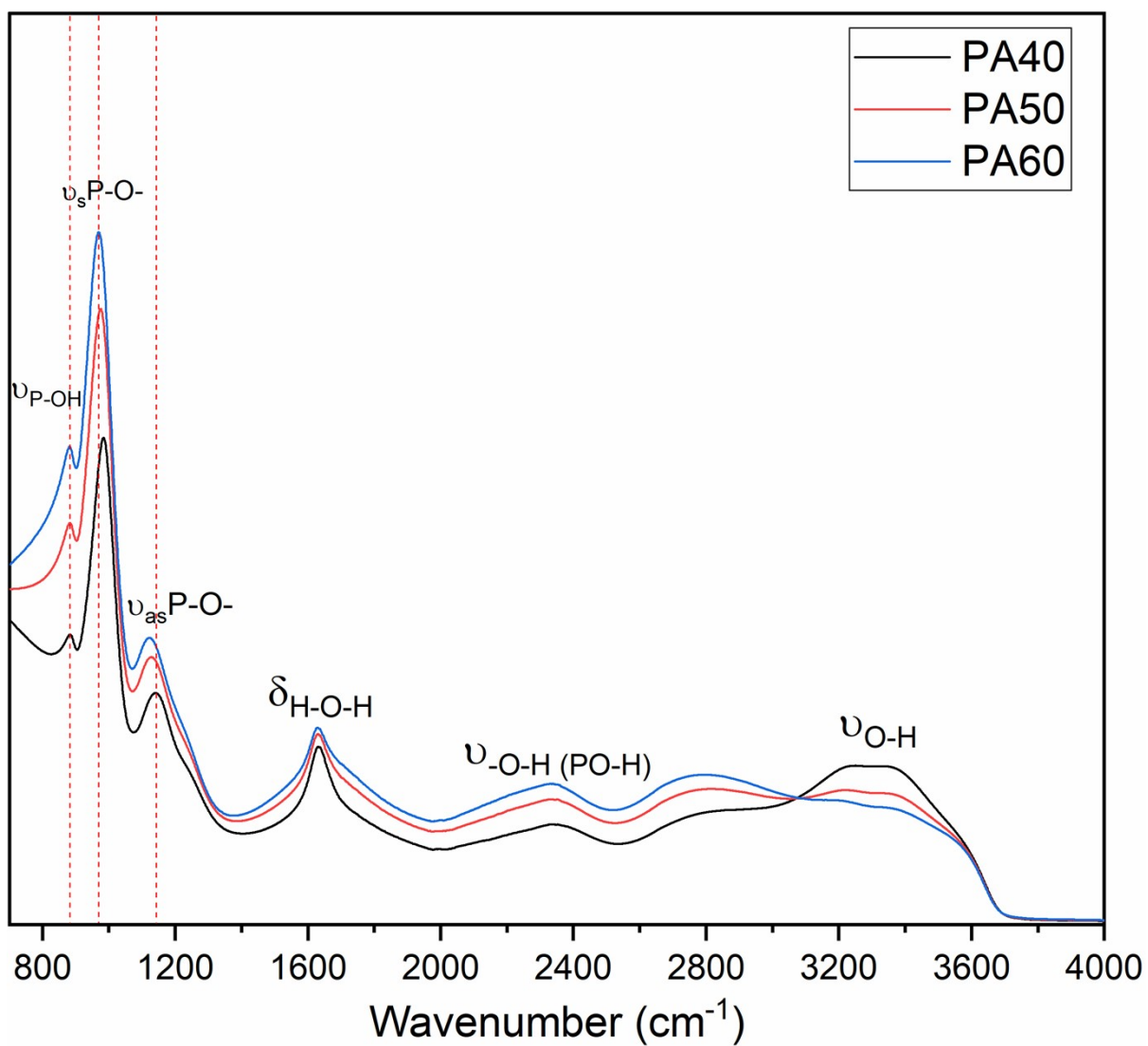


Figure S1. ATR-FTIR spectra of phosphoric acid solution at different concentration

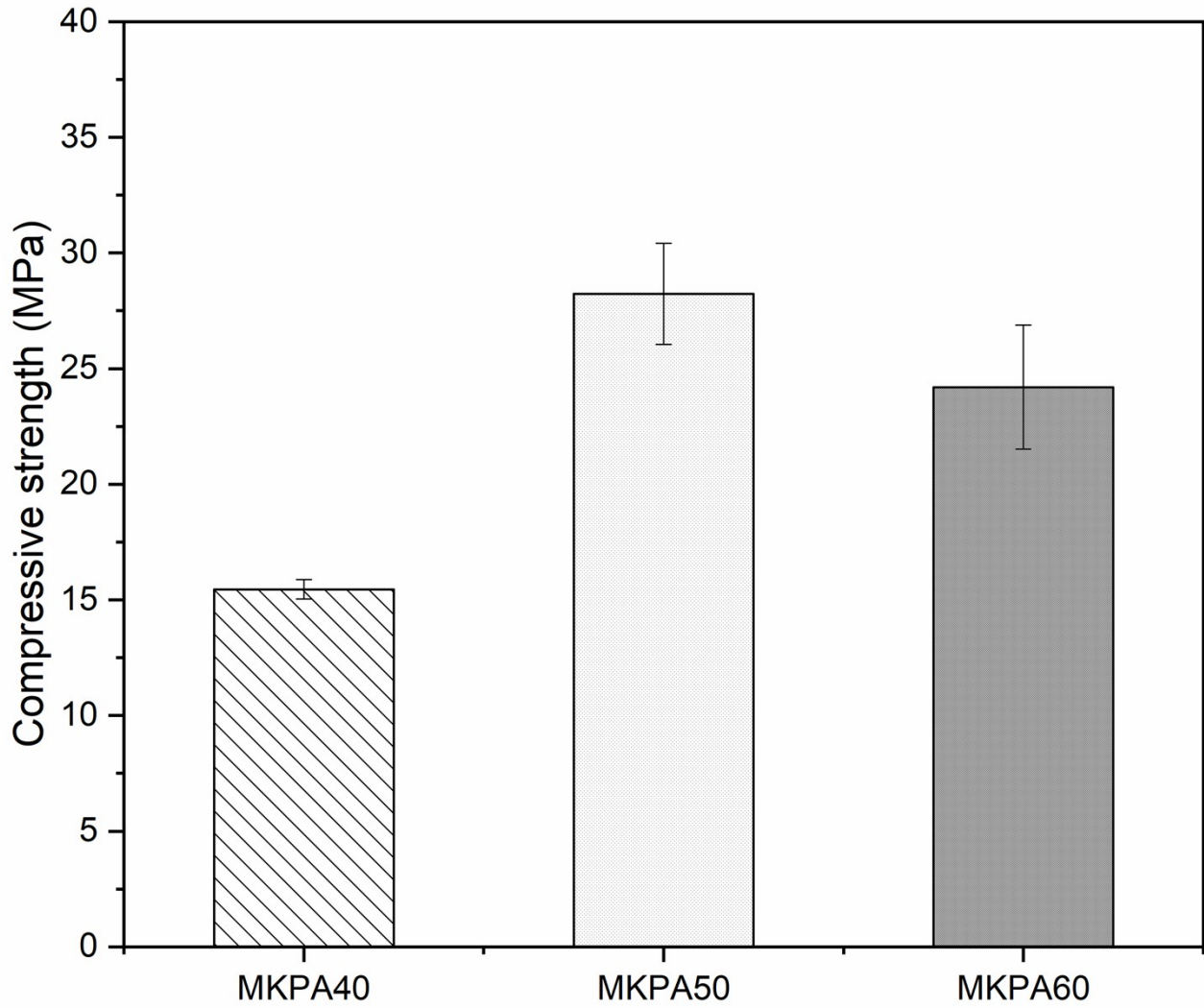


Figure S2. 28-days compressive strength of MK-phosphate geopolymer binder obtain with different concentrations of phosphoric acid (40 wt.%, 50wt.%, and 60wt.%).

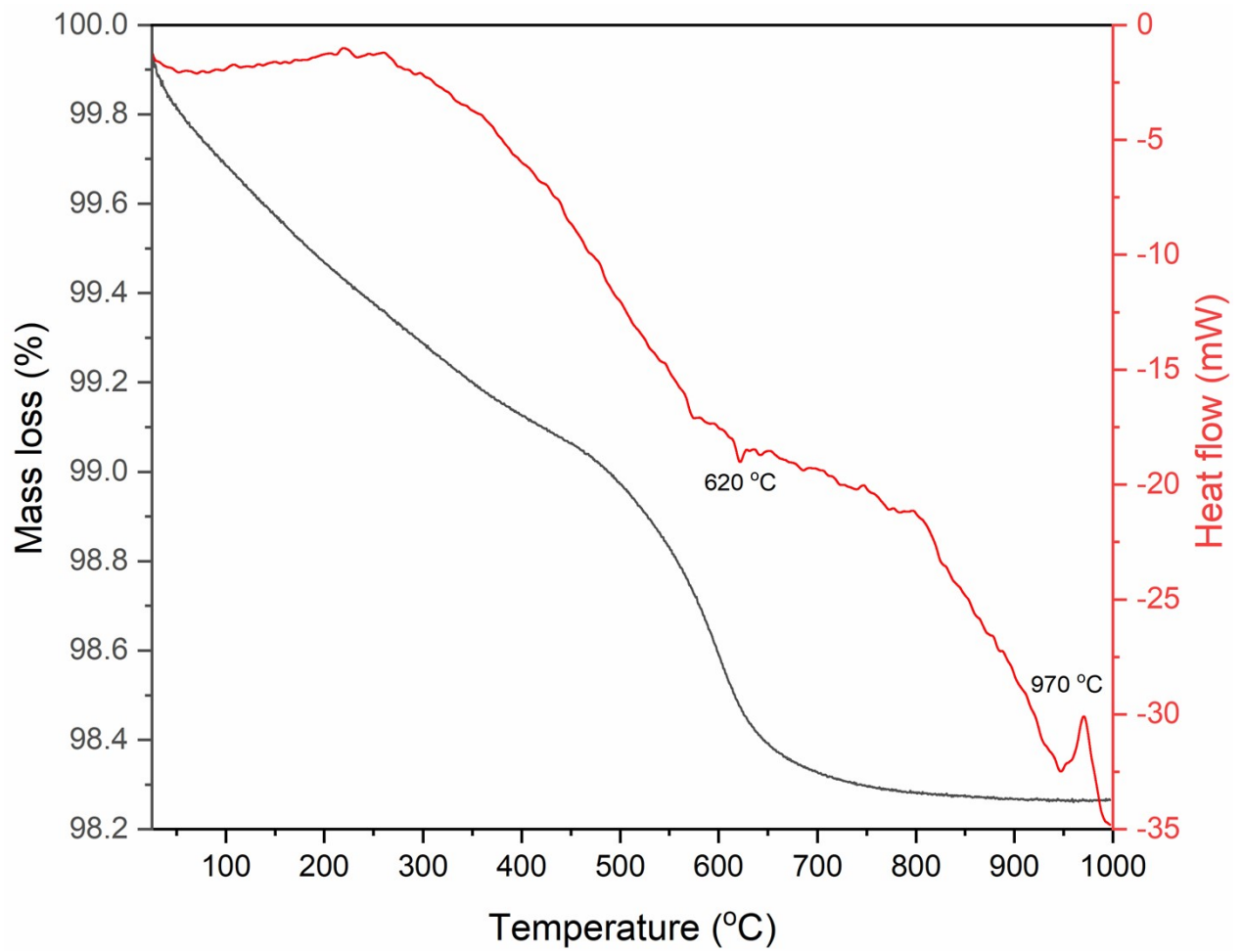


Figure S3. TGA-DSC curves of metakaolin