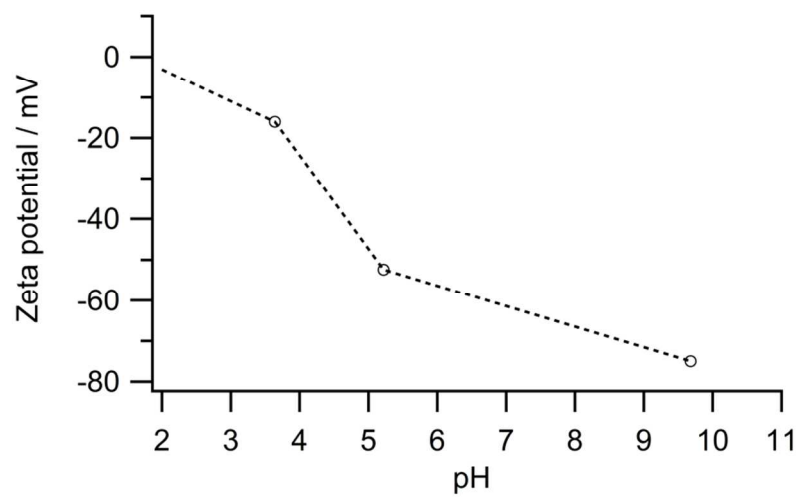


# Phase identification and structure solution by 3D Electron Diffraction Tomography: Gd-phosphate nanorods

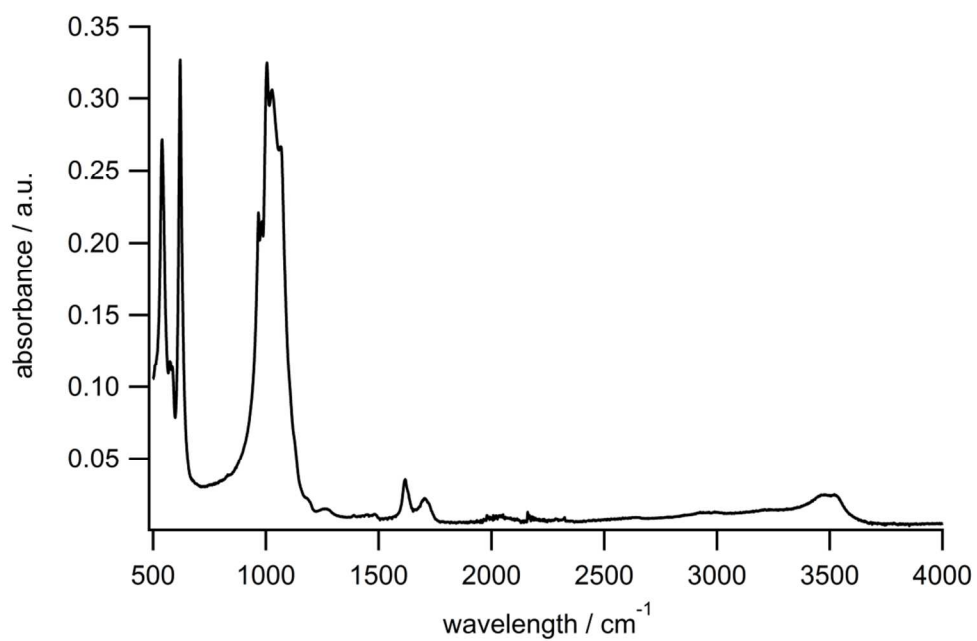
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**Figure S1.** Zeta potential of GdPO<sub>4</sub> nanorods dispersed in water at different pH.



**Figure S2.** IR spectrum of GdPO<sub>4</sub> nanorods powder.