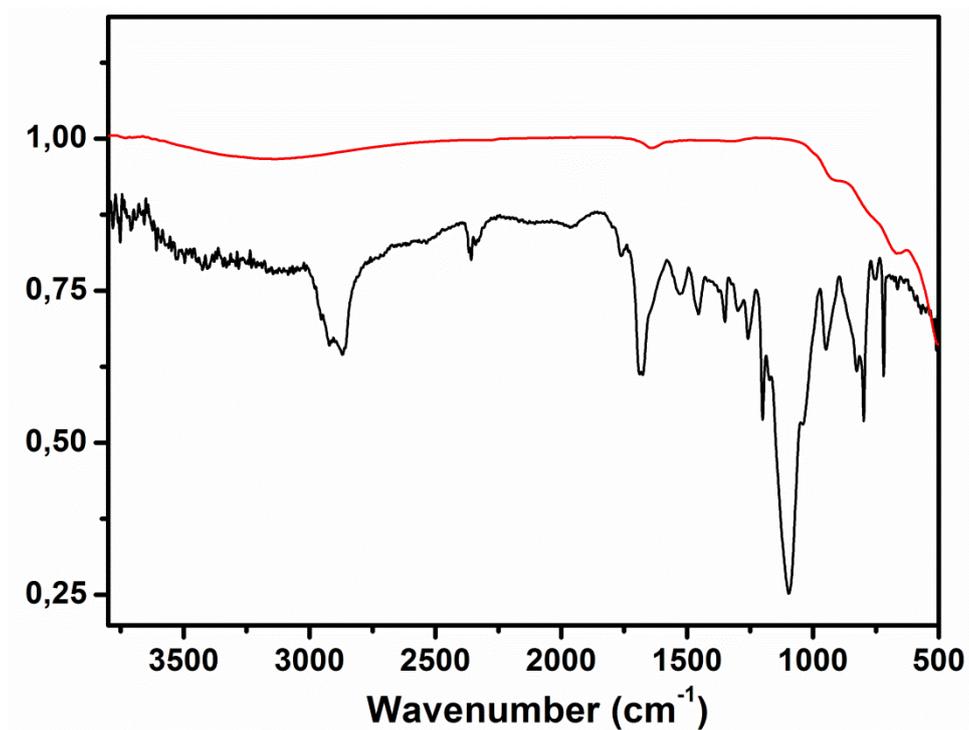


## **Rational Assembly and Dual Functionalization of Au@MnO Heteroparticles on TiO<sub>2</sub> Nanowires**

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**Supplementary Figure 1:** FT-IR spectra of as synthesized TiO<sub>2</sub> nanowires (red line) and polymeric ligand functionalized nanowires (black line).