

Supporting information for
Oil/Water Two-Phase Solvothermal Synthesis of Hydrophobic BaTiO₃ Nanocrystals

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1. Supporting figures

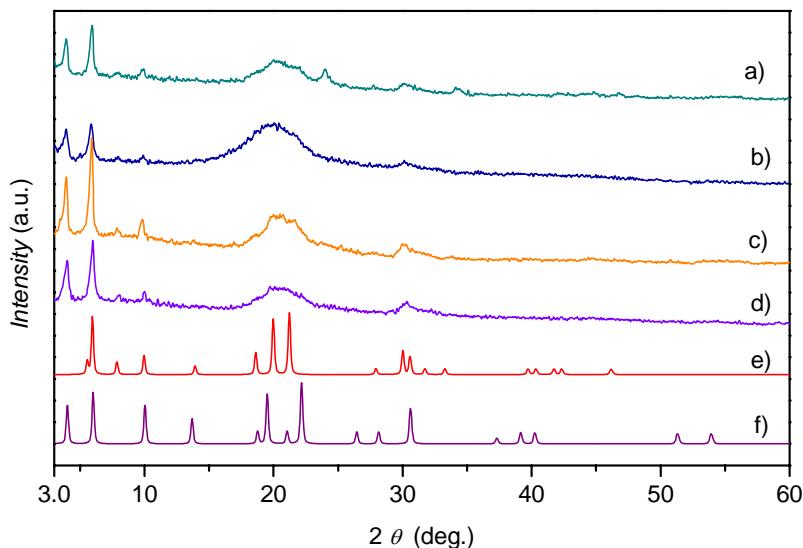


Figure 1. XRD patterns of by-products collected from the upper crude oil phases: a) 15 mL of hexadecene, 5 mL of 4 M NaOH aqueous solution, b) 10 mL of hexadecene, 10 mL of 4 M NaOH aqueous solution, c) 15 mL of toluene, 5 mL of 4 M NaOH aqueous solution, d) 15 mL of heptane, 5 mL of 4 M NaOH aqueous solution, e) simulation of sodium oleate (PDF 33-1879), and f) simulation of gamma-sodium stearate (PDF 2-289).

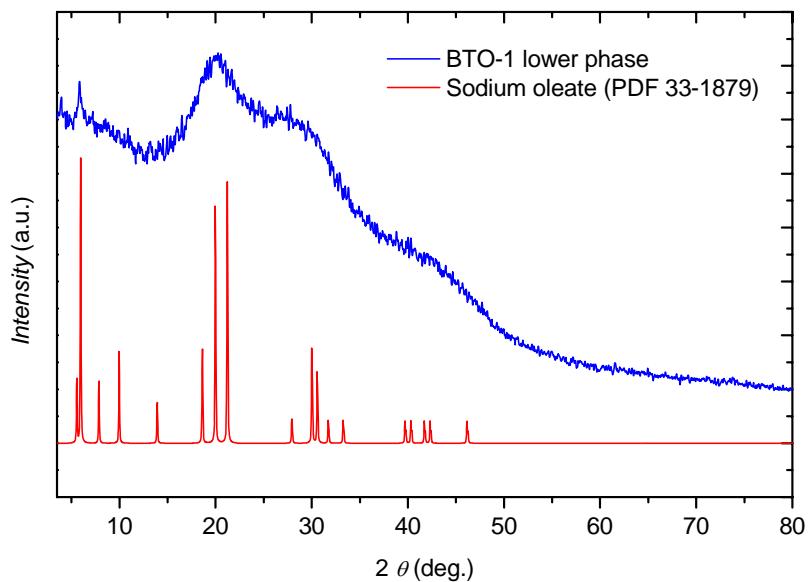


Figure 2. XRD pattern of the by-products from the lower water/ethanol phase after using ethanol to achieve phase separation (precipitated using acetone).