

Supporting Information

Rhombohedral NASICON-type $\text{Na}_x\text{Fe}_2(\text{SO}_4)_3$ for Sodium-ion Battery: Comparison with the Phosphate and Alluaudite phases

Sai-Cheong Chung^{a,b}, Jun Ming^{a,b}, Laura Lander^a, Jiechen Lu^a, and Atsuo Yamada^{a,b*}

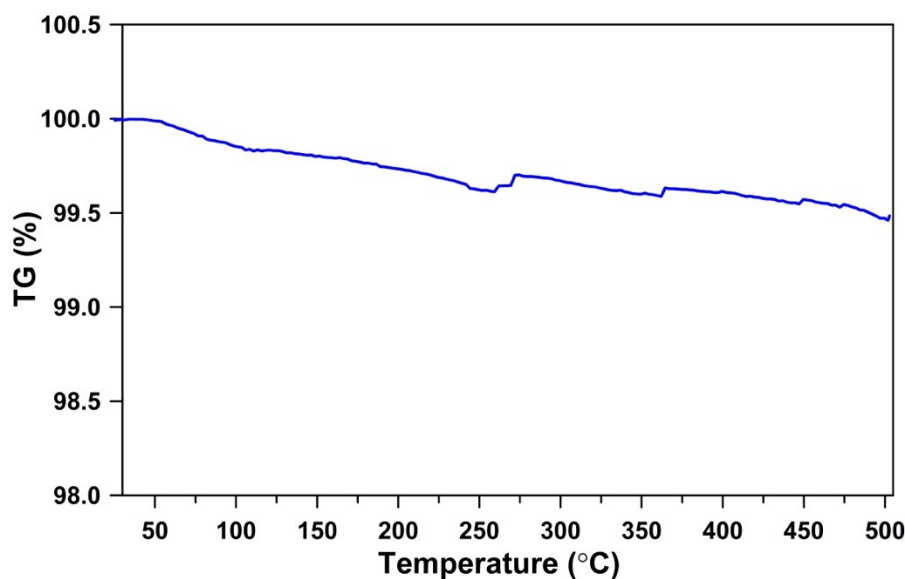


Figure SI1: TGA measurement of $\text{Fe}_2(\text{SO}_4)_3$ in a temperature range of 30 °C to 500 °C at a heating range of 5 K/min.

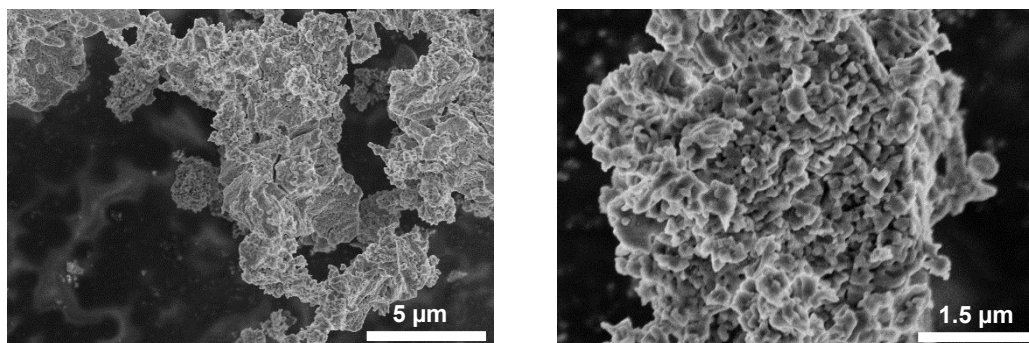


Figure SI2: FE-SEM images of as-prepared $\text{Fe}_2(\text{SO}_4)_3$.

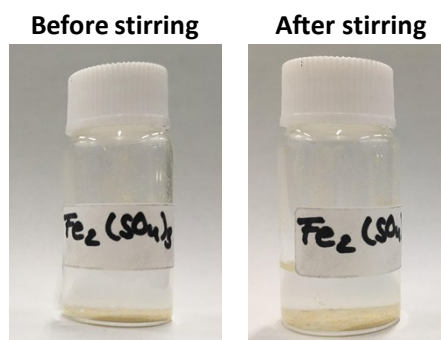


Figure SI3: Solubility test of $\text{Fe}_2(\text{SO}_4)_3$ in EC:DEC electrolyte. As-prepared $\text{Fe}_2(\text{SO}_4)_3$ in the electrolyte before stirring (left) and after stirring for several days (right). The sample after stirring was allowed to rest for several minutes before taking the picture.