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Electronic supplement materials for: Hexanuclear iron(III) α -aminophosphonate: synthesis, structure, and magnetic properties of a molecular wheel

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Figures SI:



Figure S1: Powder X-ray diffraction patterns of different samples of 1, obtained by method A with NaOH replaced by $(CH_3)_4$ NOH a), by method A b), and method B c). The sample a) was dried at room temerature, while samples b) and c) were dried at 70 °C.



Figure S2: Fragment of 2D sheet formed by intermolecular H-bonds (displayed by blue dashed lines). All hydrogen atoms, except amino groups, taking part in H-bonding, and carbon atoms of methyl groups were removed and iron polyhedra were highlighted for the sake of clarity. Thermal ellipsoids are drawn at the 50 % probability level.



Figure S3: Powder X-ray diffraction pattern of a sample of 1 calcined at 1000 °C compared with the calculated patterns for $Fe(PO_3)_3$ (COD: 96-152-0967) and $Fe_3(P_2O_7)_2$ (COD: 96-403-0357).