## **Electronic Supplementary Information**

## Magnetism in CoFe2O4 nanoparticles produced at sub- and near-

## supercritical conditions of water

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Fig. S1 TEM image of FR390 sample showing a bi-modal distribution of particles produced at supercritical conditions in a continuous flow reactor. The EDX analysis performed on bigger particles, with square shape morphology, show a uniform distribution of constituent elements which correspond to the cobalt ferrite phase.



Fig. S2 EDX spectrum of  $CoFe_2O_4$  particles synthesized by spiral reactor (sample SR240) showing the presence of chemical elements.



Fig. S3 Temperature dependence of the magnetic susceptibility in a dc field of 50 Oe measured on ZFC-FC pressed powder AR220c.