

Sulfonated metal organic framework loaded on iron oxide nanoparticles as a new sorbent for the magnetic solid phase extraction of cadmium from environmental water samples

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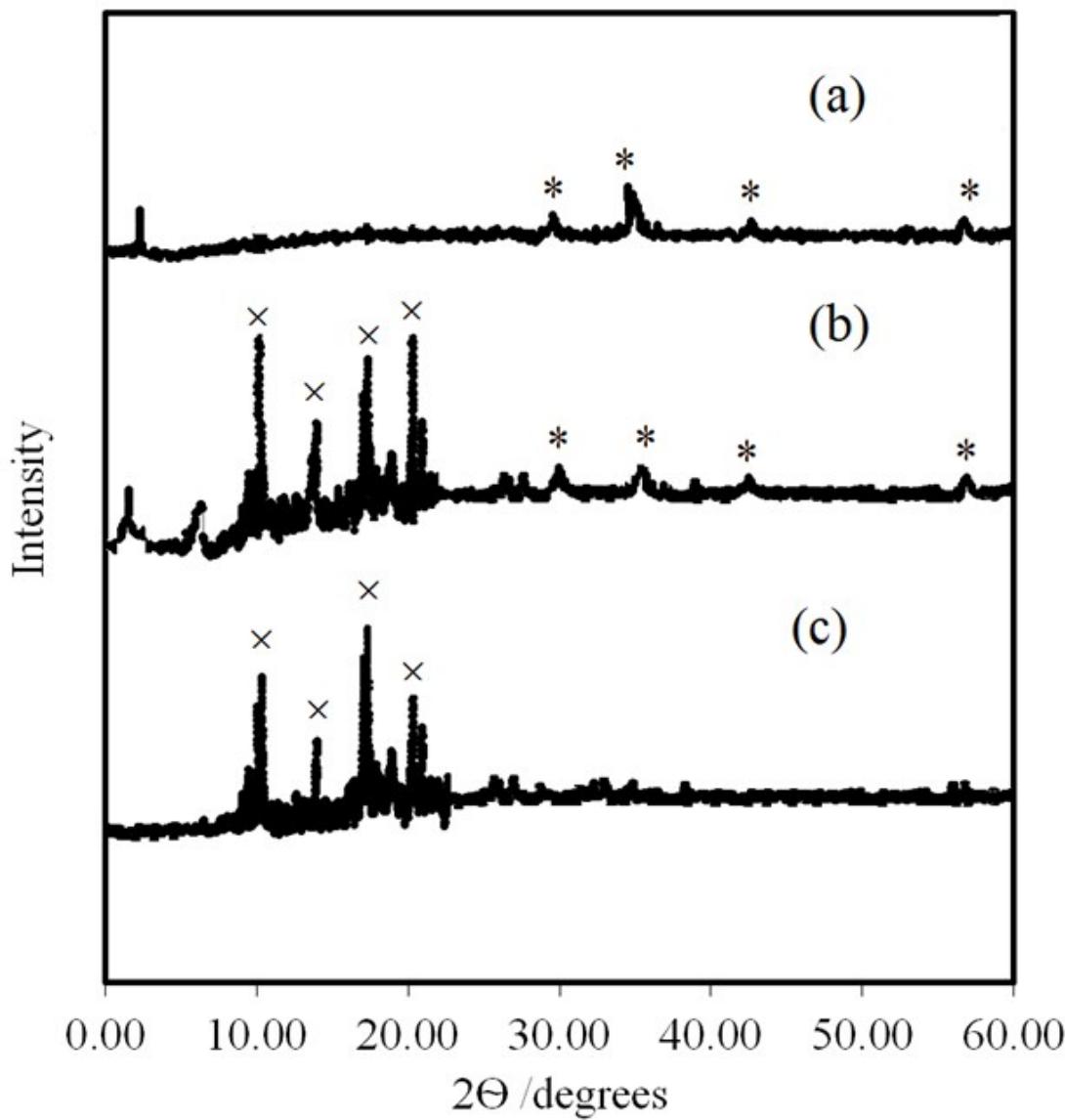


Fig. S1 XRD pattern of (a) Fe_3O_4 , (b) $\text{Fe}_3\text{O}_4@\text{MOF-235(Fe)}$ - OSO_3H , and (c) MOF-235(Fe) samples. * stands for Fe_3O_4 and \times stands for MOF-235(Fe) samples.

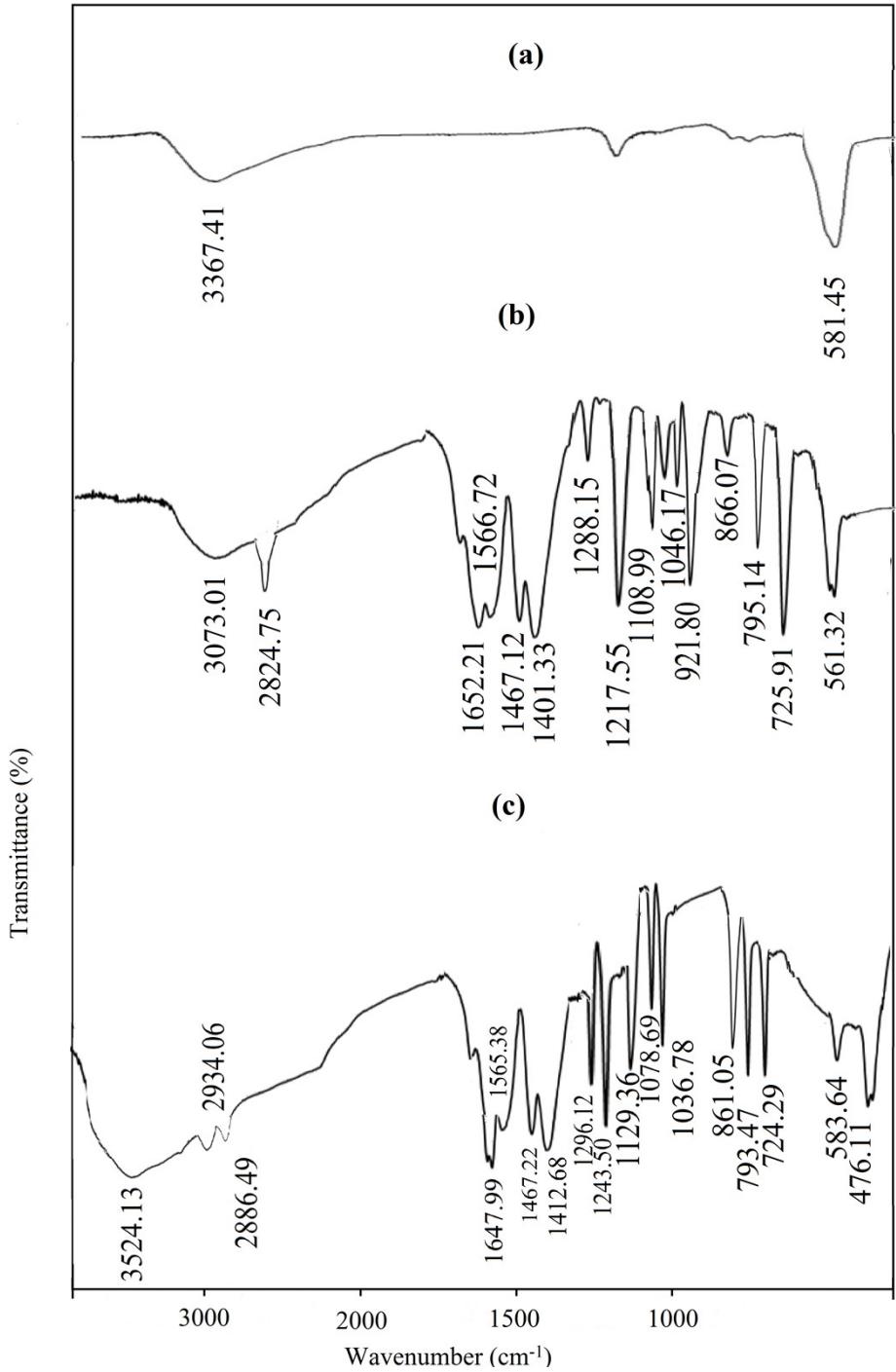


Fig. S2 FT-IR spectra of (a) Fe_3O_4 , (b) $\text{Fe}_3\text{O}_4@\text{MOF-235(Fe)}$, and (c) $\text{Fe}_3\text{O}_4@\text{MOF-235(Fe)}$ - OSO_3H samples.

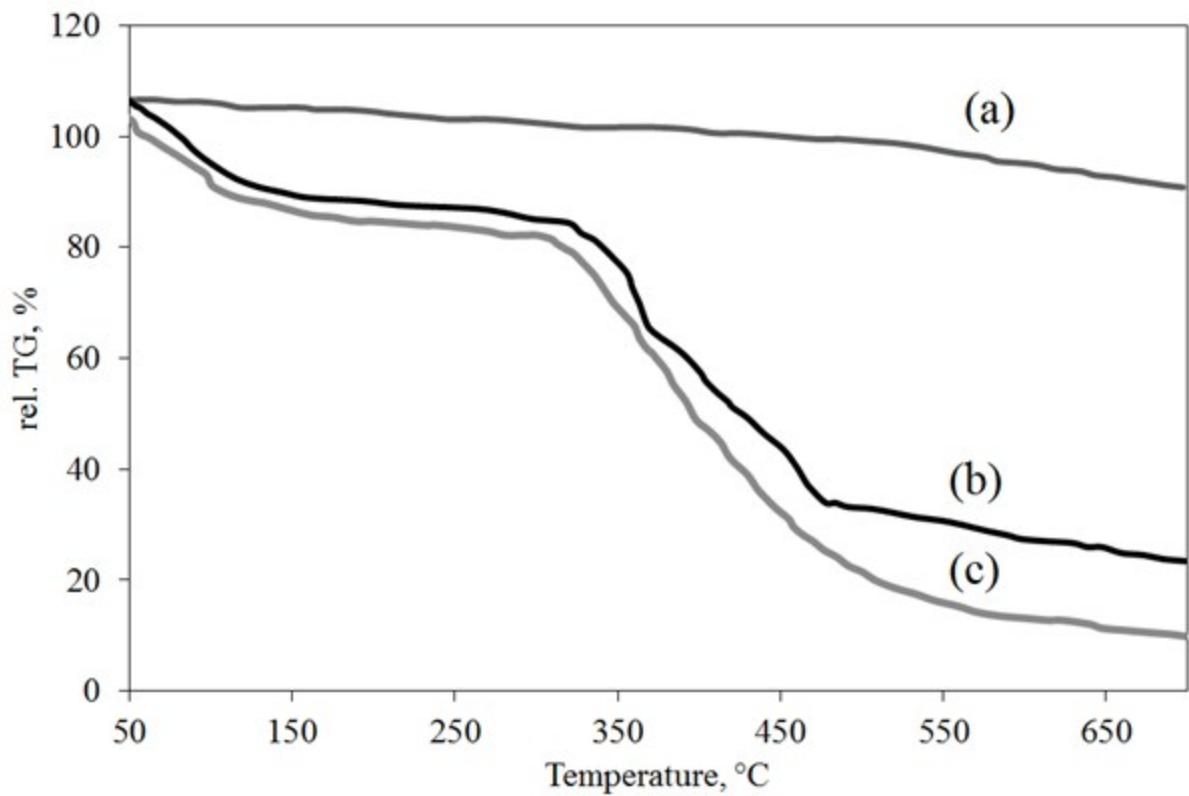


Fig. S3 TGA analysis of (a) Fe_3O_4 , (b) MOF-235(Fe) and (c) $\text{Fe}_3\text{O}_4@\text{MOF-235(Fe)}$ - OSO_3H .