Electronic Supplementary Material (ESI) for Analytical Methods.

Electronic Supplementary Information

Ionic Imprinted amino functionalized mesoporous sorbent for the selective minicolum preconcentration of cadmium ions and determination by GFAAS.

Yanina Minaberry* and Mabel Tudino

Laboratorio de Trazas, INQUIMAE-DQIAQF, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Ciudad Universitaria Pab. II, C1428EHA, Buenos Aires, Argentina.

*Corresponding author: E-mail: nani@qi.fcen.uba.ar; naniberry@gmail.com Tel.: +54 11 4576 3360

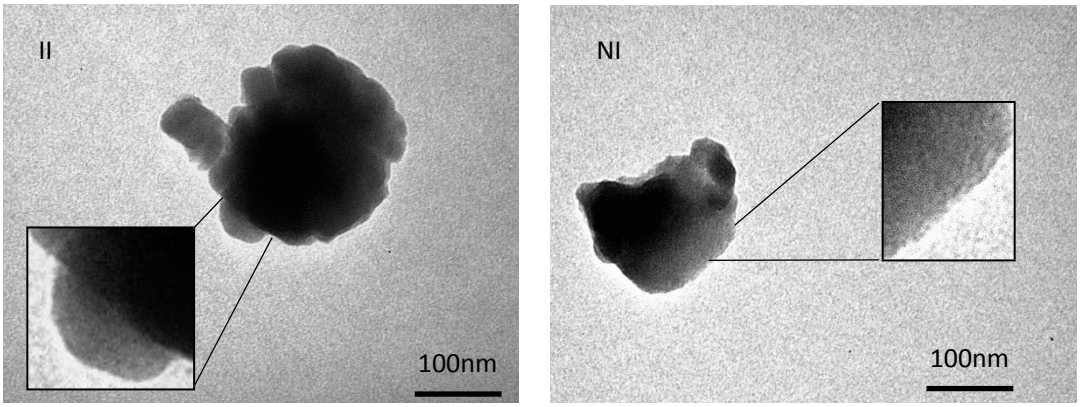

Fig.S1 TEM images for Ion- Imprinted (II) and non-imprinted (NI) solids.

In the images above, the TEM images for NI and II solids are shown.
Even though the TEM images obtained for similar materials in the literature show a better pore definition mostly due to a higher acceleration voltage [1,2] and/or smaller sample sizes (ultromicrotomed samples), our results allow to confirm the presence of mesoporous in accordance with previous results reported by Walcarius and Delacôte (2003)[3].

References:

1. Walcarius, A., & Delacôte, C. (2005). Analytica Chimica Acta, 547(1), 3-13.
2. Kang, C., Li, W., Tan, L., Li, H., Wei, C., & Tang, Y. (2013). Journal of Materials Chemistry A, 1(24), 7147-7153.
3. Walcarius, A., & Delacôte, C. (2003). Chemistry of materials, 15(22), 4181-4192. (Reference 22 in MS)