

## Supporting Information

### **Quick Speciation of Iron (II) and Iron (III) in Natural Samples Using a Selective Fluorescent Carbon Dot Based Probe**

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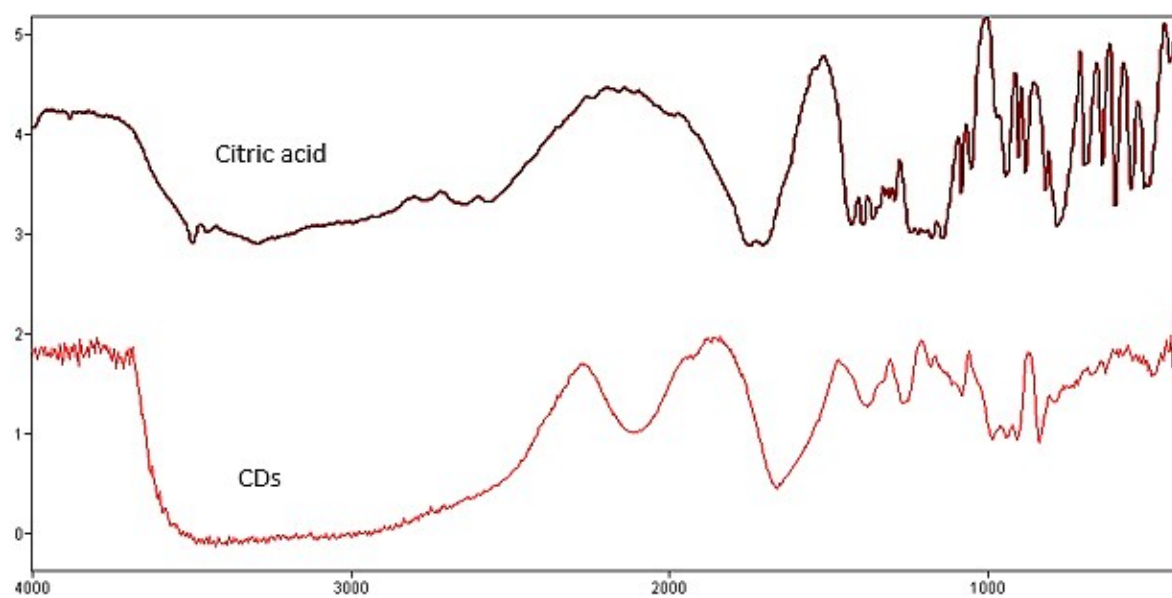
### **Real Sample Pretreatment**

A 10 ml solution including 0.5 ml of concentrated hydrochloric acid was added to a beaker containing 0.2 g of dry and ground spinach followed by heating up to the 150 °C on a hot plate for 2 h [1]. Then, the digest was filtered and brought to the specified volume.

**Legend of figures:**

**Figure S 1.** FTIR spectra of CDs and citric acid.

**Figure S 1**



**Reference:**

- (1) Chen, J. L.; Zhuo, S. J.; Wu, Y. Q.; Fang, F.; Li, L.; Zhu, C. Q. *Spectrochim. Acta, Part A*. **2006**, 63, 438–443.