Support Information

Preparation of sodium lignosulfonate/chitosan adsorbent and application of Pb(II) treatment in water

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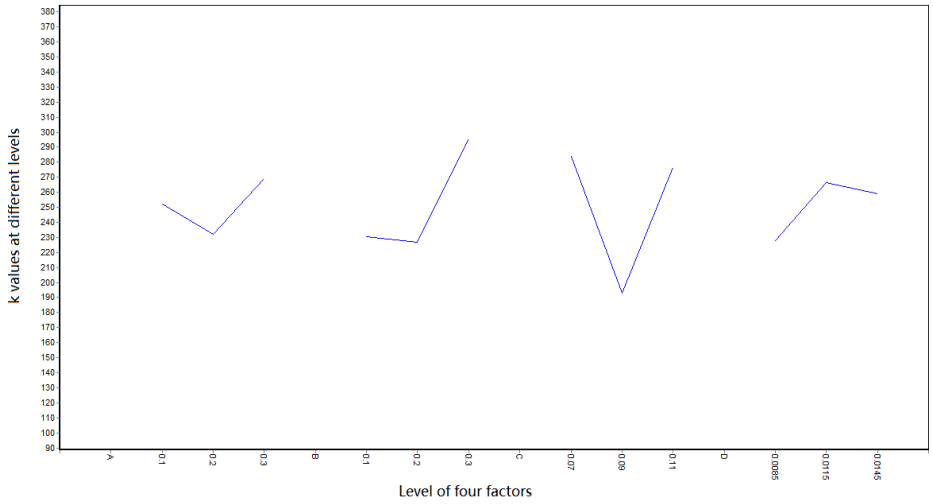

Fig. S1 Sum of the experimental results of the three factors at each level

It is seen from Figure S1 that the value of k at different levels of each factor. A ($C_{20}H_{24}Na_2O_{10}S_2$) has three levels: 0.1, 0.2, 0.3. When A=0.3 g, k is the largest, so the best level of A is 0.3. Simultaneously;he best levels of the factors were thus determined as follows: B ($(C_6H_{11}NO_4)_n$) = 0.3 g, C($K_2S_2O_8$) = 0.07 g, and D(NMBA) = 0.0115 g.

Using the best combination to synthesize LC / CS, 0.01 g LC/CS adsorbed 100 mg L^{-1} Pb^{2+} at pH = 7.0, T = 20 ℃, repeated three times to get the data in table S1, and the average value of the three times was 345 mg g^{-1}.

Table S1 Adsorption capacity of LC / Cs for Pb^{2+}

Number	1	2	3
Q (mg g-1)	338	349	347

Average value (mg g-1)	344.67