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Supplementary Material

Adsorptive removal of uranium (VI) from wastewater using a crosslinked amidoxime-functionalized β-cyclodextrin polymer

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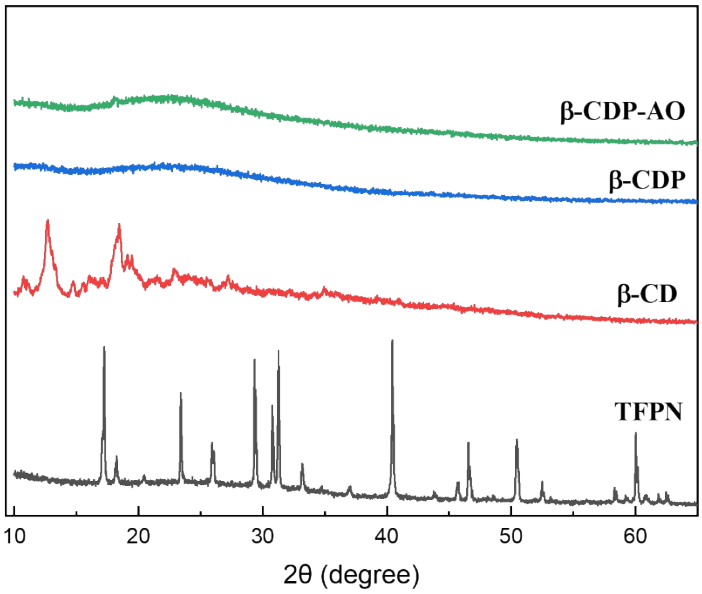

Fig. S1. XRD spectrum of β-CDP-AO, β-CDP. and monomers.

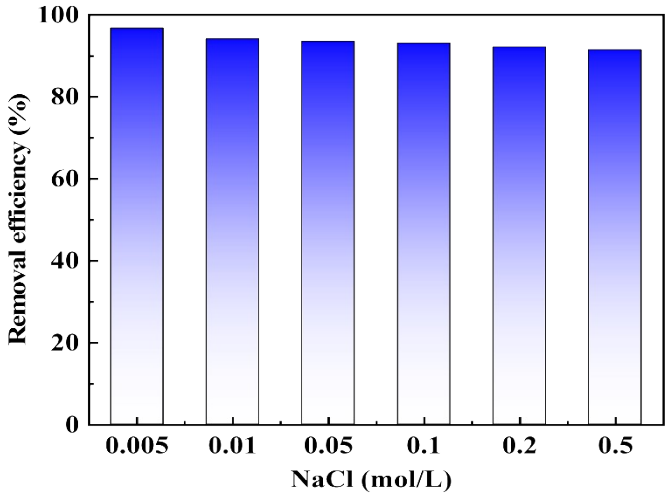

Fig.S2. Effect of NaCl concentration on removal efficiency, C_0=40mg/L, pH=6.0, m/V=0.4g/L, t=720min, T=303K.

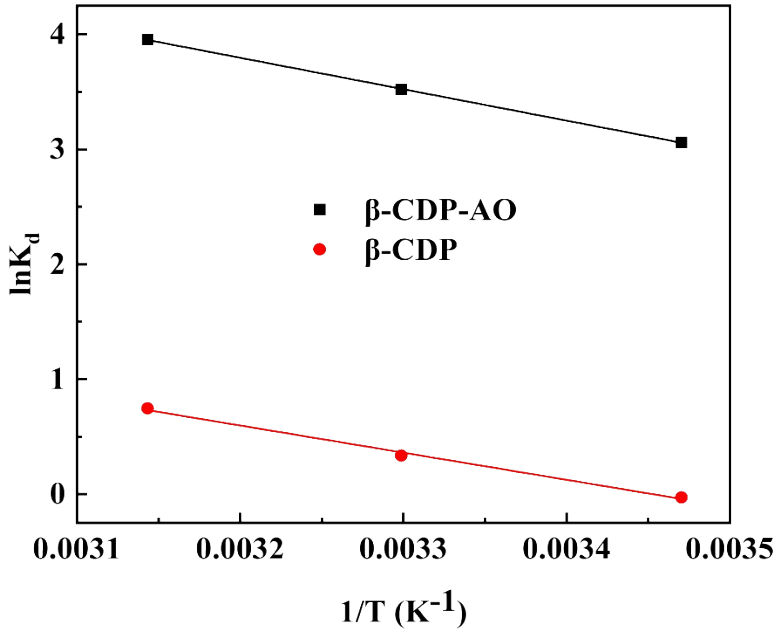

Fig.S2. Relationship between ln K_d and 1/T.

Table S1. The adsorption thermodynamic parameters of U(VI) onto β-CDP and β-CDP-AO.

Adsorbent	ΔG^0 (KJ/mol)			ΔH^0 (KJ/mol)	ΔS^0 (J/mol.K)
	288K	303K	318K		
β-CDP	-0.68	-0.85	-1.97	1.95	67.83
β-CDP-AO	-7.33	-8.18	-10.46	2.27	104.29