

Electronic Supplementary Information

Perchlorate supported Cu(II) based 1D polymeric chain containing 1,10-phenanthroline: Synthesis, characterization and adsorption of organic dyes and heavy metal ions

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Table S1. Selected bond lengths and bond angles for **1**.

	<i>Length (Å)</i>
Cu_1-O_1	1.970(3)
Cu_1-N_1	2.009(4)
Cl_1-O_3	1.454(4)
Cl_1-O_2	1.498(3)
O_1-H_{1A}	0.855
N_1-C_1	1.350(6)
	<i>Angle(°)</i>
$O_1-Cu_1-O'_1$	94.2(2)
$O_1-Cu_1-N'_1$	91.8(2)
$O_1-Cu_1-N_1$	173.9(2)
$N_1-Cu_1-N'_1$	82.3(2)
$O_3-Cu_1-O'_3$	178.2(2)

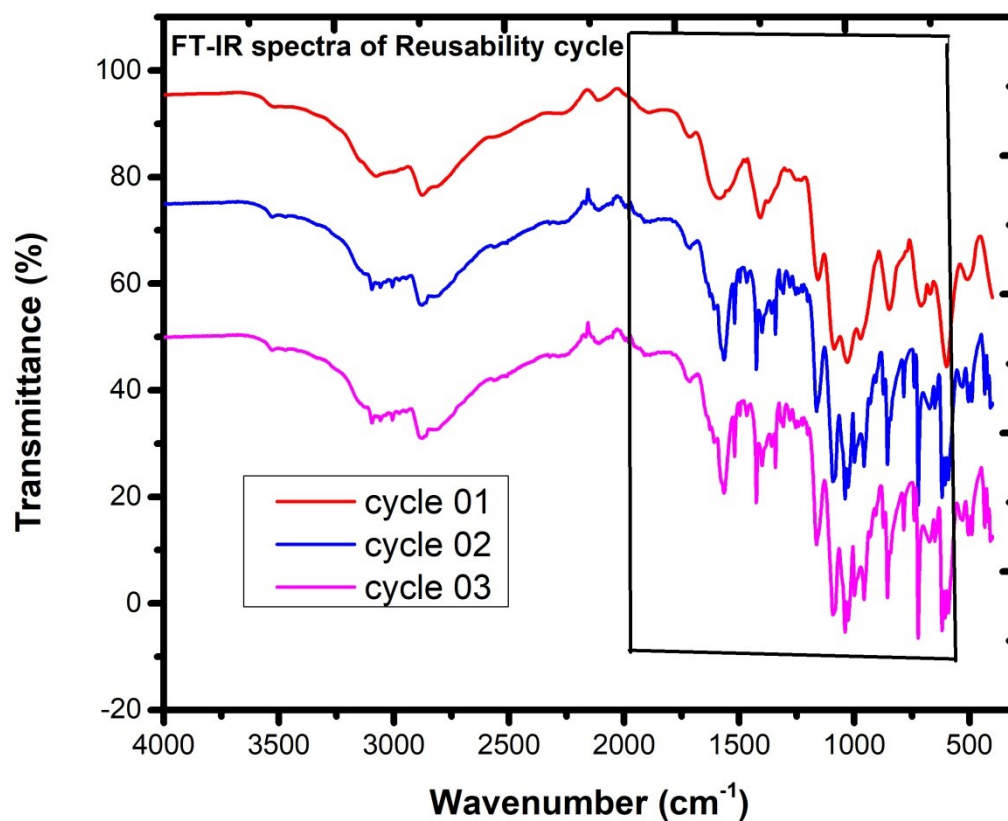


Fig. S1. Comparative FT-IR Plot for Reusability of **1**.

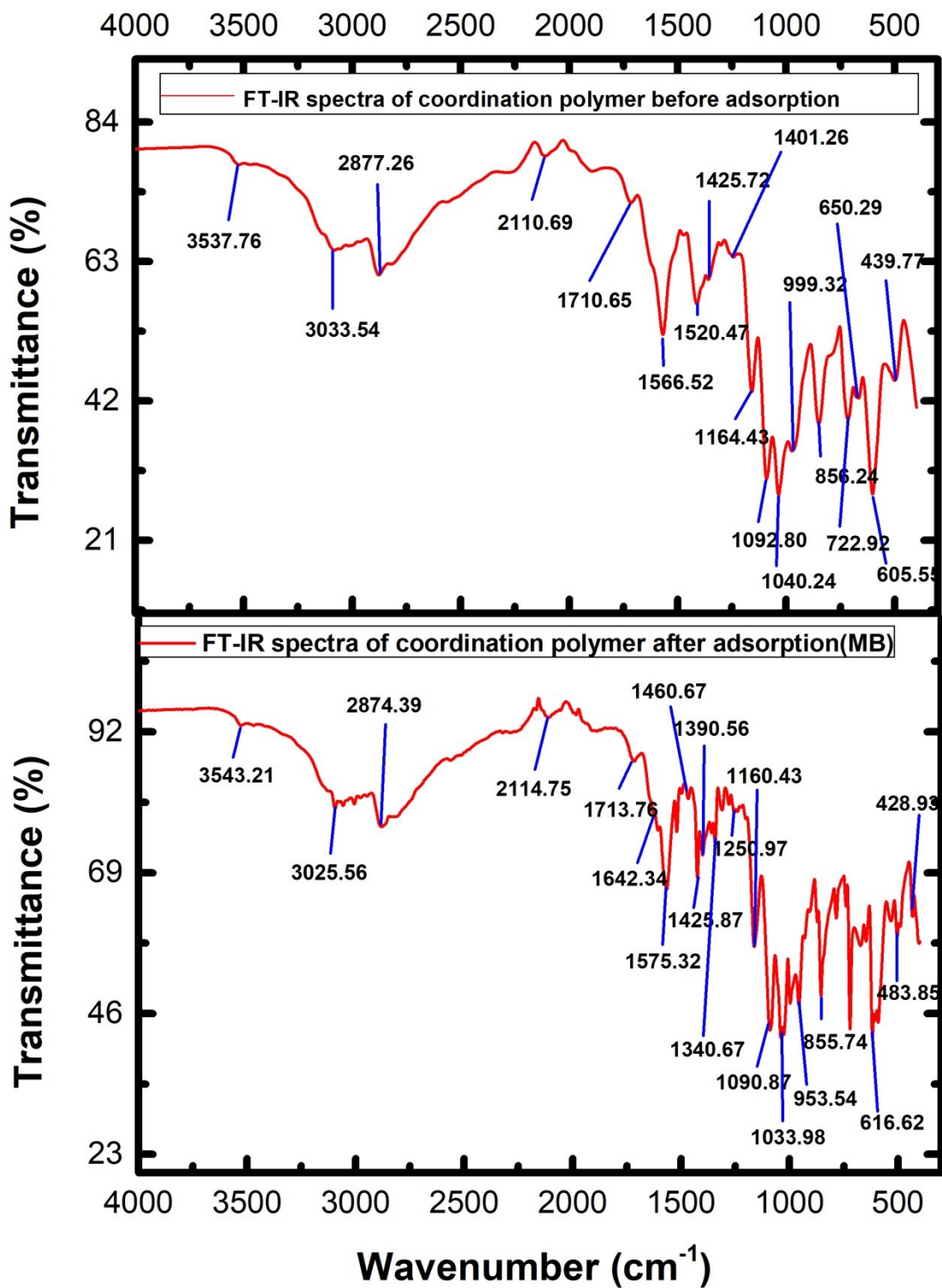


Fig. S2: FT-IR spectra of 1 before and after adsorption of MB.