

Magnetic Nanosorbents Based on Bentonite and CoFe_2O_4 Spinel

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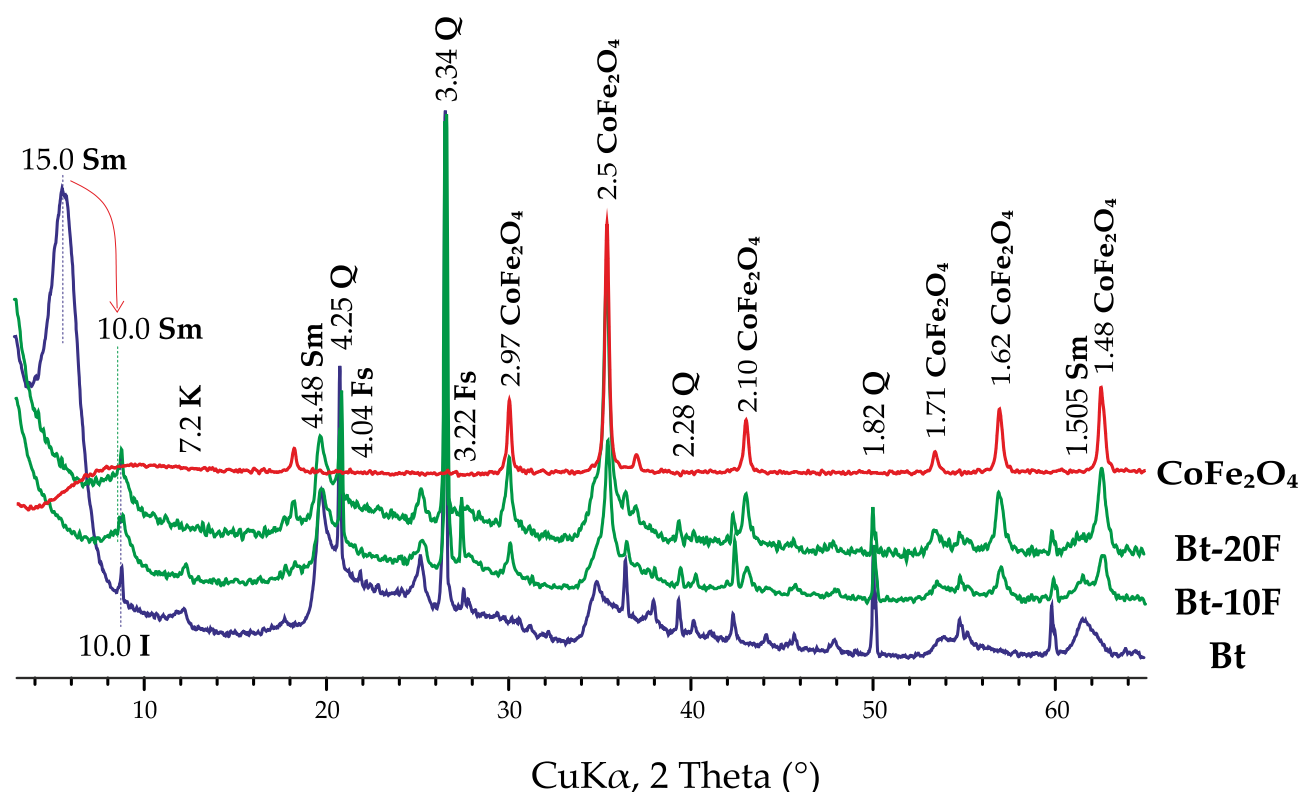


Figure S1. XRD patterns of investigated samples of Bt, CoFe_2O_4 and composites Bt-10F, Bt-20F, Phase designations: Sm—smectite, I—illite, K—kaolinite, Q—quartz, Fs—feldspars.

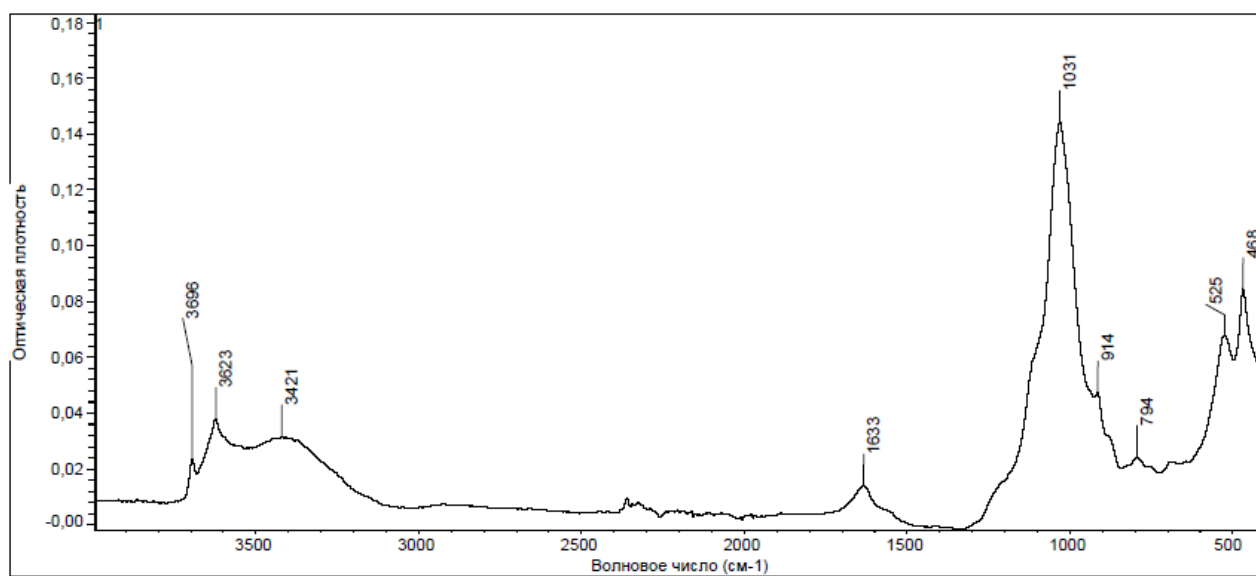


Figure S2. FTIR spectrum of Bt.

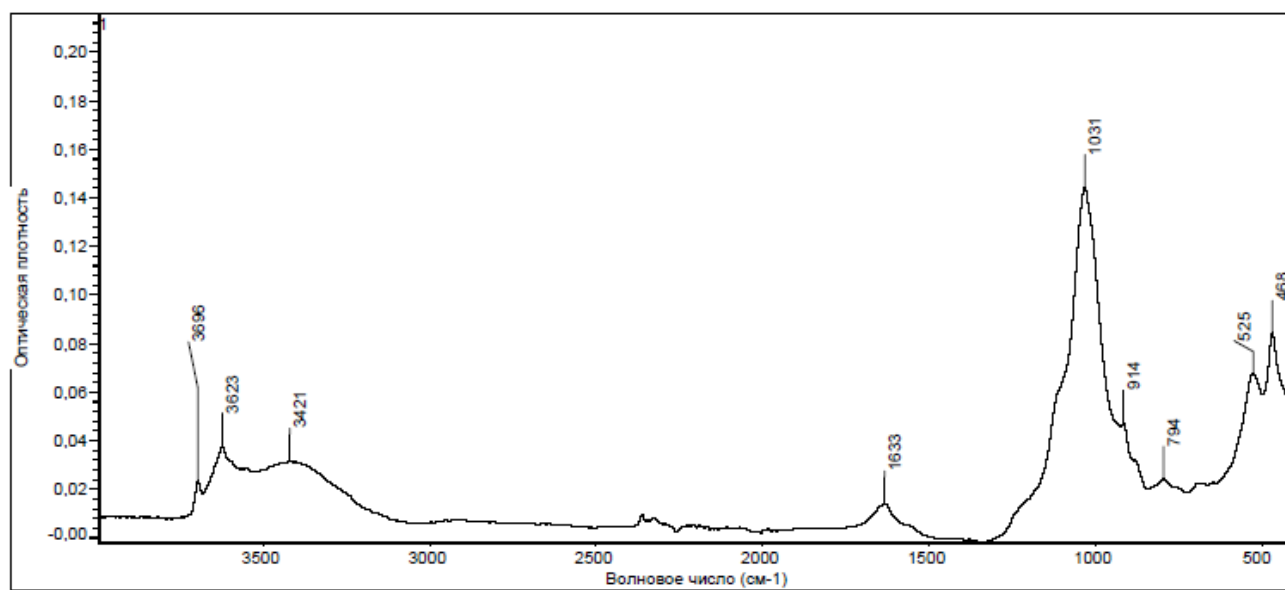


Figure S3. FTIR spectrum of Bt-10F.

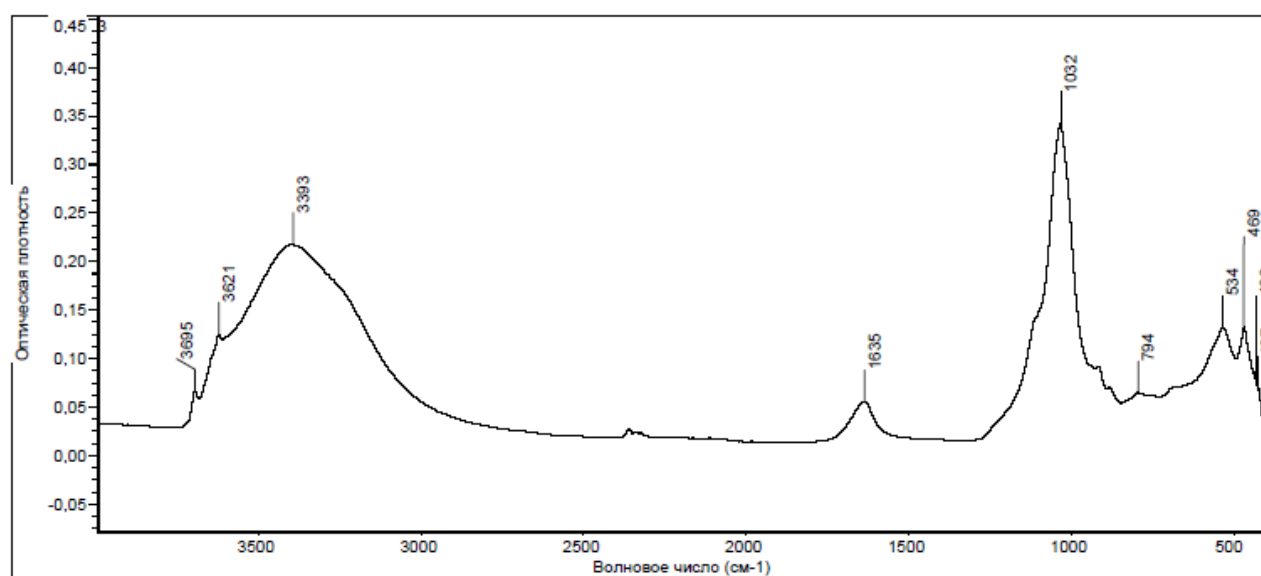


Figure S4. FTIR spectrum of Bt-10F+sorb after adsorption of formaldehyde.

Table S1. Chemical composition of the samples.

Sample	Na ₂ O (%)	MgO (%)	Al ₂ O ₃ (%)	SiO ₂ (%)	P ₂ O ₅ (%)	SO ₃ (%)	K ₂ O (%)	CaO (%)	TiO ₂ (%)	Fe ₂ O ₃ (%)	CoO (%)	NiO (%)	LOI	Sum
Bt-20F	0,167	1,211	9,266	44,935	0,072	0,024	0,656	1,564	2,744	24,492	8,326	0,007	6,45	99,90
Bt-10F	0,109	1,349	11,845	53,9	0,074	0,018	0,832	1,476	3,049	18,036	4,704	0,011	4,52	99,92
Bt	0,1	1,217	12,547	61,67	0,091	0,018	1,036	2,005	4,209	10,325	n.o.	0,014	6,57	99,91