**Supplementary Information**

**Preparation of catalyst from natural montmorillonite mineral and its application in the synthesis of carbon nanosphere**

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General composition of Humeltei montmorillonite mineral is shown in **Figure S1**.

Chart, pie chart

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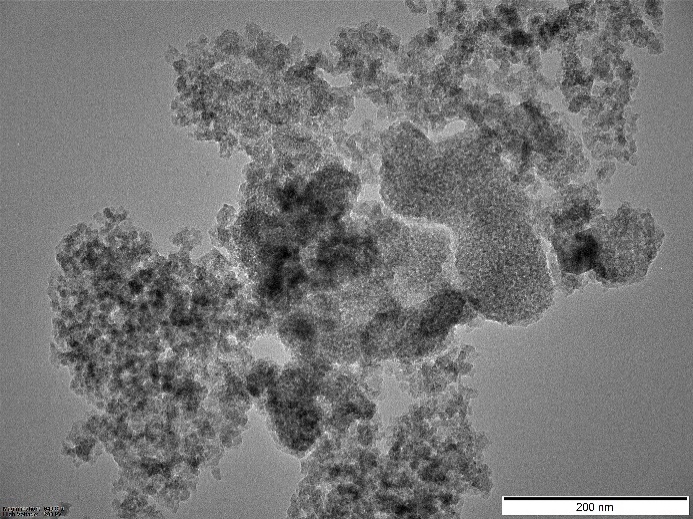
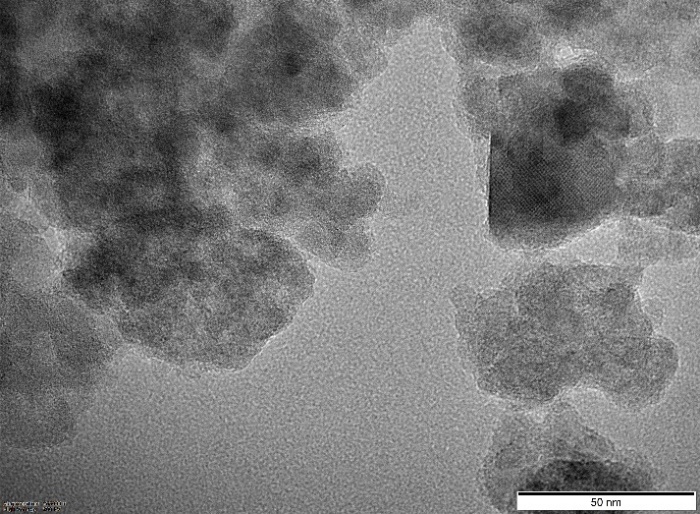
**Figure S1**. Chemical composition of Humeltei deposit clay mineral (Montmorillonite).

Elemental analysis of the samples shown in **Figure S2**.



**Figure S2**. Elemental analysis result of the samples.

TEM image of the catalyst/support Fe-SiO2 is shown in **Figure S3**.

**Figure S3**. TEM image of the Fe-SiO2 catalyst.

Pluronic F68 and CNS sample showed that CNS dispersion in water.

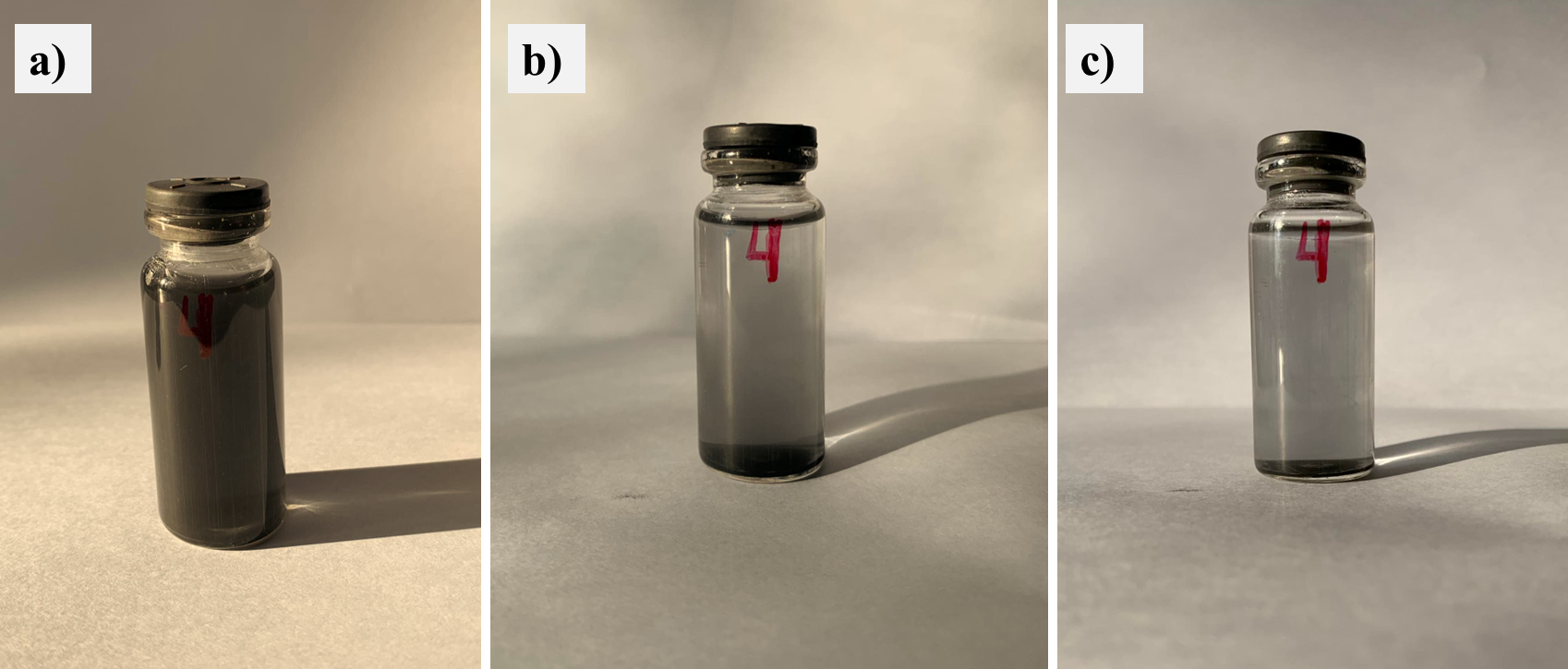


Figure S4. CNS+Pluronic F68 surfactant suspension after 1 hour sonication (a), 24 hours (b) after and 48 hours (c) after.