

## Supporting Information

### **Lamellar supramolecular materials based on chelated metal complex for organic dye adsorption**

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## **The determination of the composition of the precipitates**

Elemental analysis was performed to analyze the composition, and the weight ratio of N: C: H was found to be 7.11: 55.94: 10.50, suggesting that the ratio of EDTA: DA was about 1:2. Meanwhile, XPS was also used to analyze the composition. It revealed that the atomic ratio of O: Cu is roughly 8:1, indicating that the molar ratio of EDTA: Cu is 1:1. Based on the above results, we infer that molar ratio of EDTA/Cu/DA is 1:1:2, namely, it is composed of the chelating complex of Cu-EDTA and DA at a molar ration of 1:2.