

## Synthesis of Magnetic Adsorbents from Bamboo Fiber Functionalized with Ferrite-SiO<sub>2</sub>-PEI for Efficient Dyes Removal in Wastewater Treatment

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### 1. Standard curve

The standard calibration curve (Figure S1 and S2) of Congo red (CR) and Methylene blue (MB) shown a strong linear relationship between absorbance and concentration with 0, 10, 20, 50 and 100 mg/L. This linear calibration curve can therefore be effectively used to determine unknown CR and MB concentrations in subsequent adsorption or filtration experiments.