

Supplementary Information

Polydopamine-based Molecular Imprinting on Silica-modified Magnetic Nanoparticles for Recognition and Separation of Bovine Hemoglobin

Xiaoping Jia, Yuzhi Wang*, Dan Ran, Shan Yang, Min Zhang

State Key Laboratory of Chemo/ Biosensing and Chemometrics, College of Chemistry
and Chemical Engineering, Hunan University, Changsha, 410082, P.R.China

Corresponding author: Professor Yuzhi Wang

State Key Laboratory of Chemo/Biosensing and Chemometrics

College of Chemistry and Chemical Engineering

Hunan University

Changsha 410082

P. R. China

Phone: +86-731-88821903

Fax: +86-731-88821848

E-mail: wyzss@hnu.edu.cn

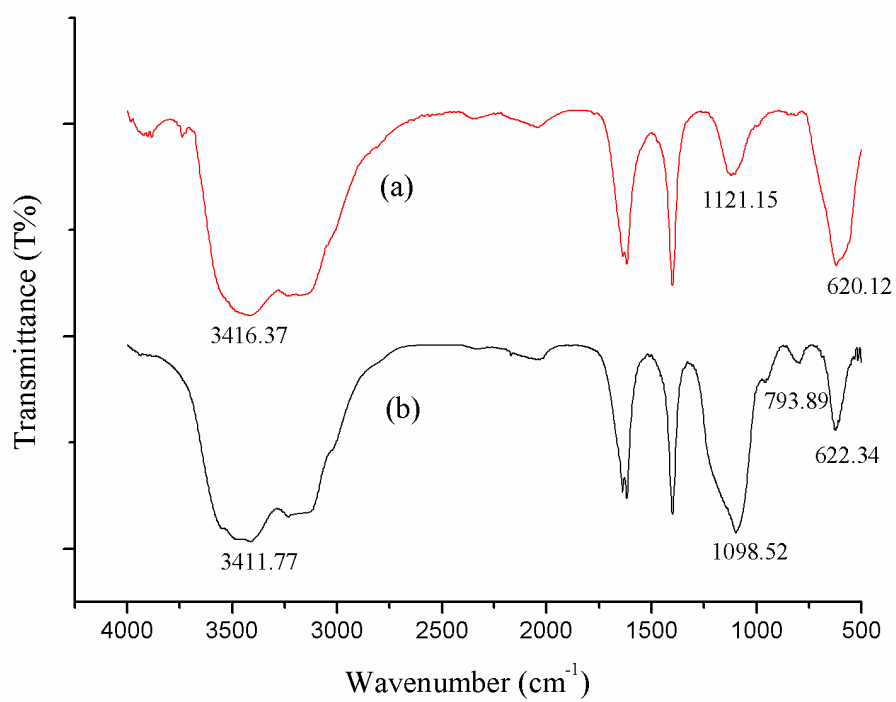


Figure S1. The FT-IR spectra of Fe₃O₄ nanoparticles (a) and silica-modified Fe₃O₄ nanoparticles (b)

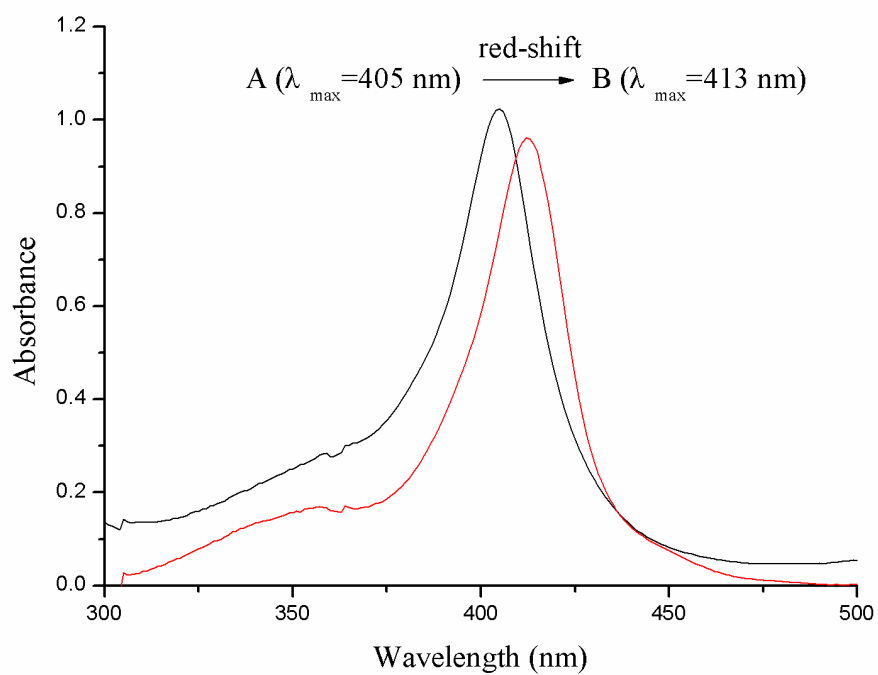


Figure S2. The UV-vis spectra of BHb in the absence (A) and presence of 0.01% SDS (B) in PBS. $C_{\text{BHb}} = 0.2 \text{ mg mL}^{-1}$, PBS (10 mM, pH 7.5).