

Supplementary Information

Immobilization of Cobalt Phthalocyanine and Tetrasulfophthalocyanine onto MCM-41 and MCM-48: Effect of Immobilization Method on Catalytic Activity

Mahtab Pirouzmand,^{,a} Mostafa M. Amini,^b Nasser Safari^b and Touba Hamoule^c*

^a*Department of Inorganic Chemistry, Faculty of Chemistry, Tabriz University, Tabriz 5166, Islamic Republic of Iran*

^b*Department of Chemistry, Shahid Beheshti University, Tehran 1983963113, Islamic Republic of Iran*

^c*Department of Science, Petroleum College, Petroleum University of Technology, Ahwaz 6198144471, Islamic Republic of Iran*

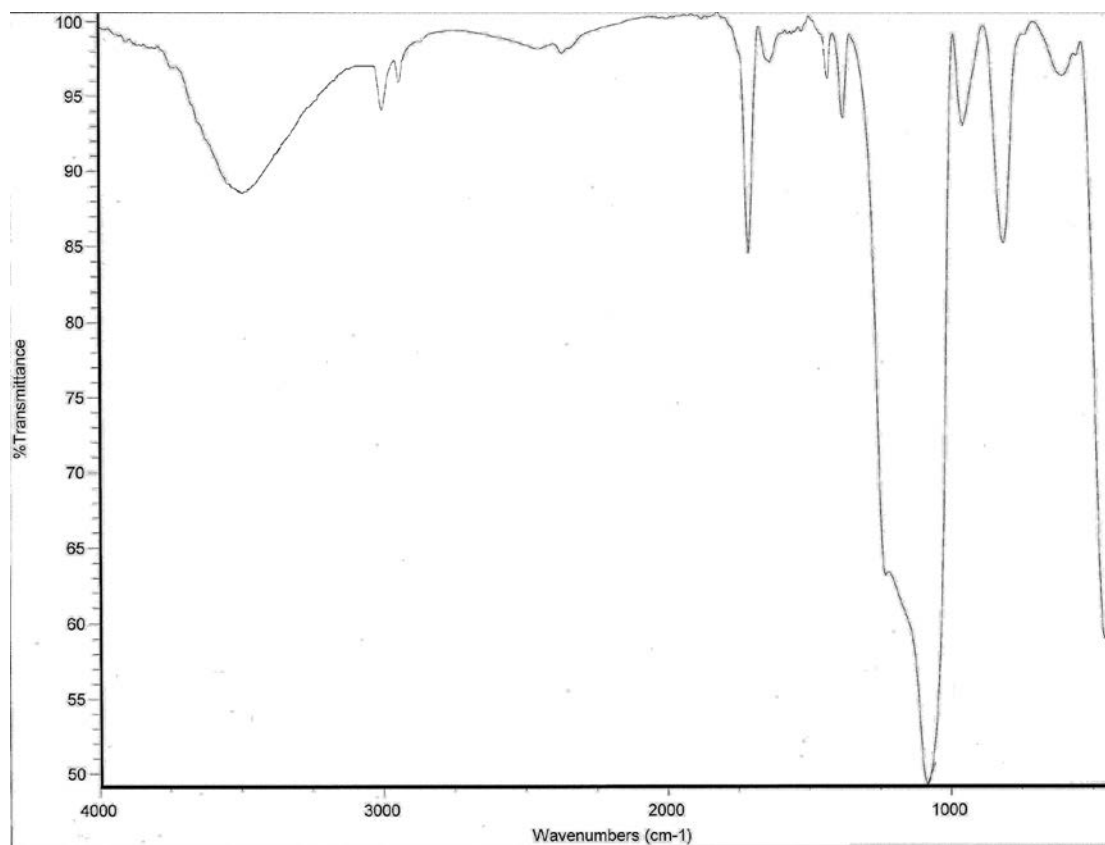


Figure S1. FTIR spectrum of NH₂-MCM-41.

*e-mail: m.pirouzmand@tabrizu.ac.ir

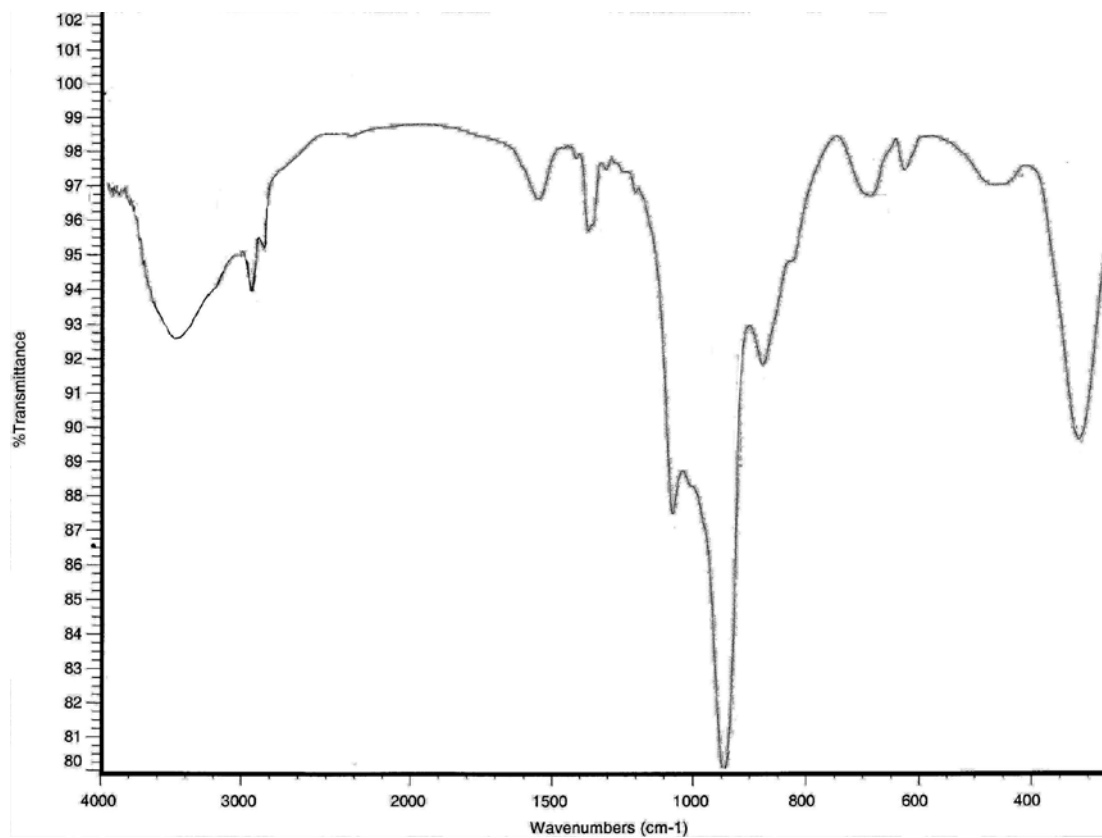


Figure S2. FTIR spectrum of NH₂-MCM-48.

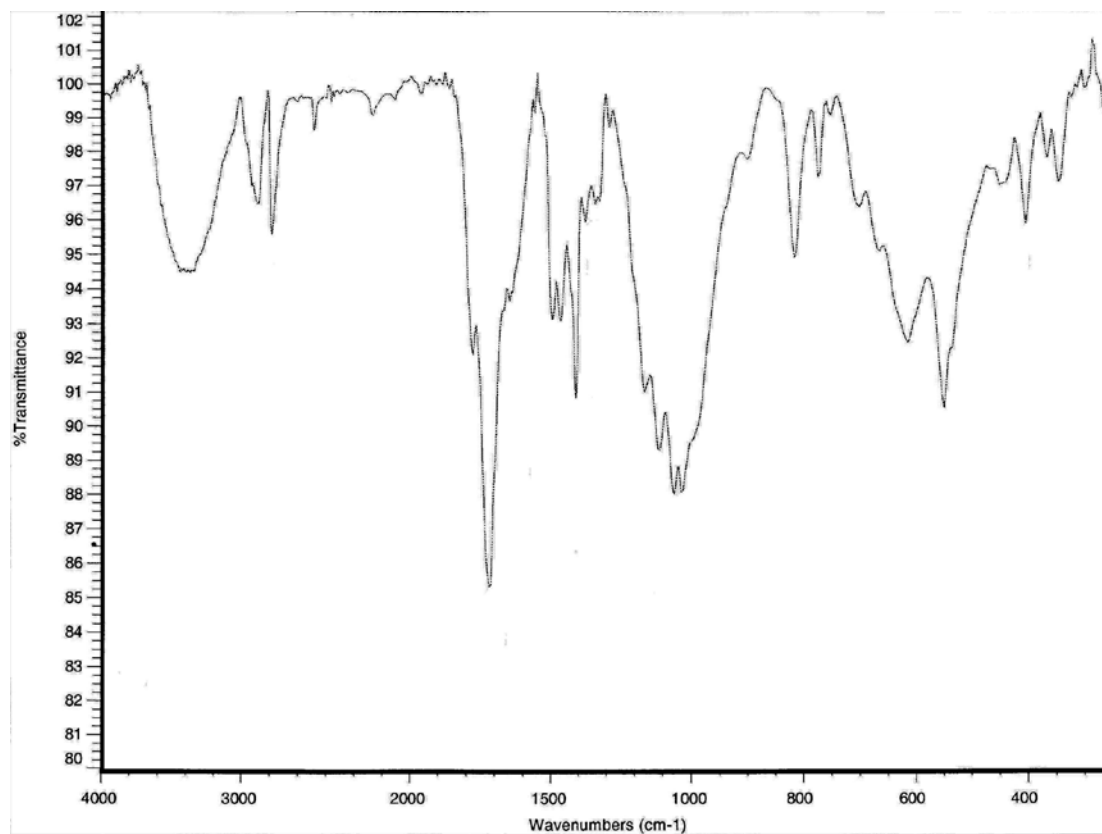


Figure S3. FT-IR spectrum of CoPcS.

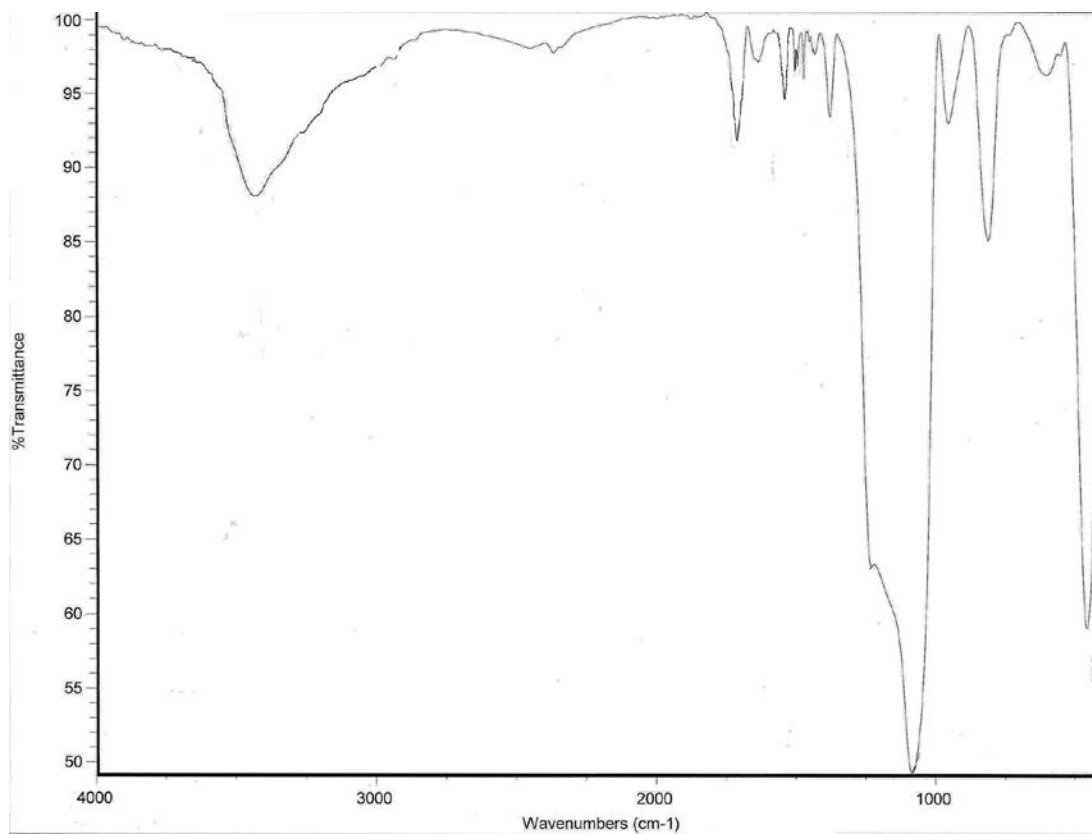


Figure S4. FTIR spectrum of CoPc/MCM-41.

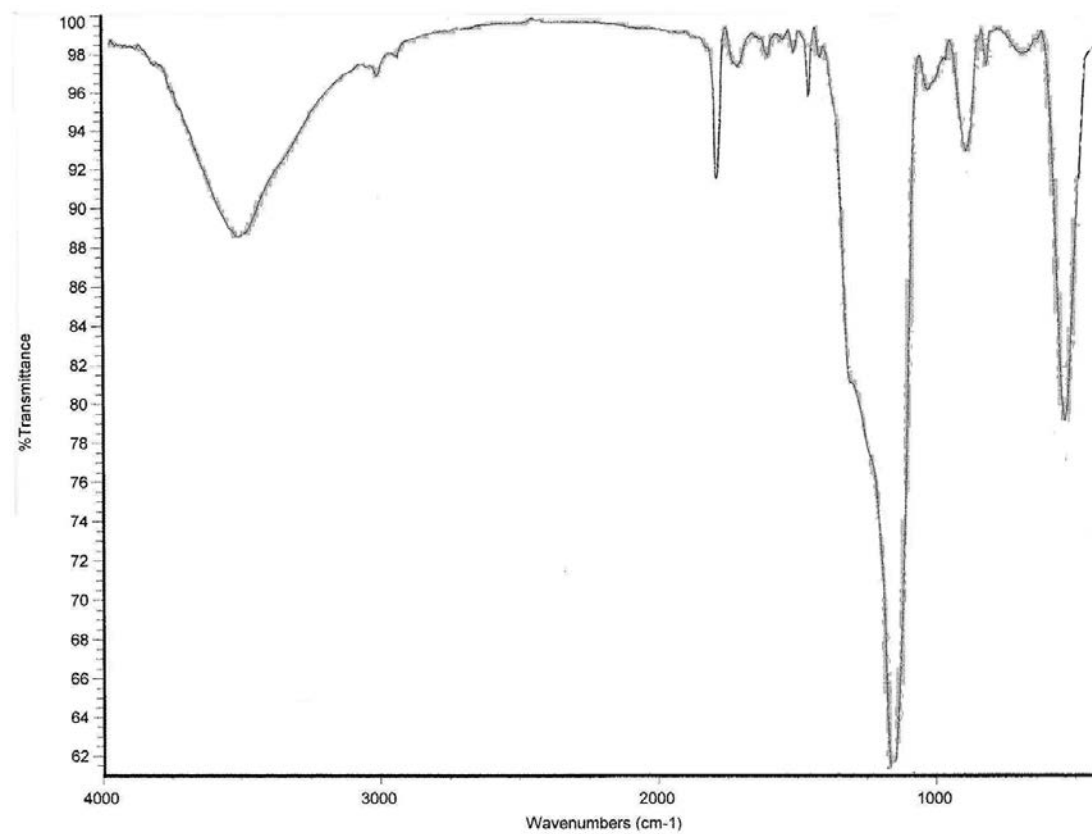


Figure S5. FTIR spectrum of CoPcS/NH₂-MCM-48.

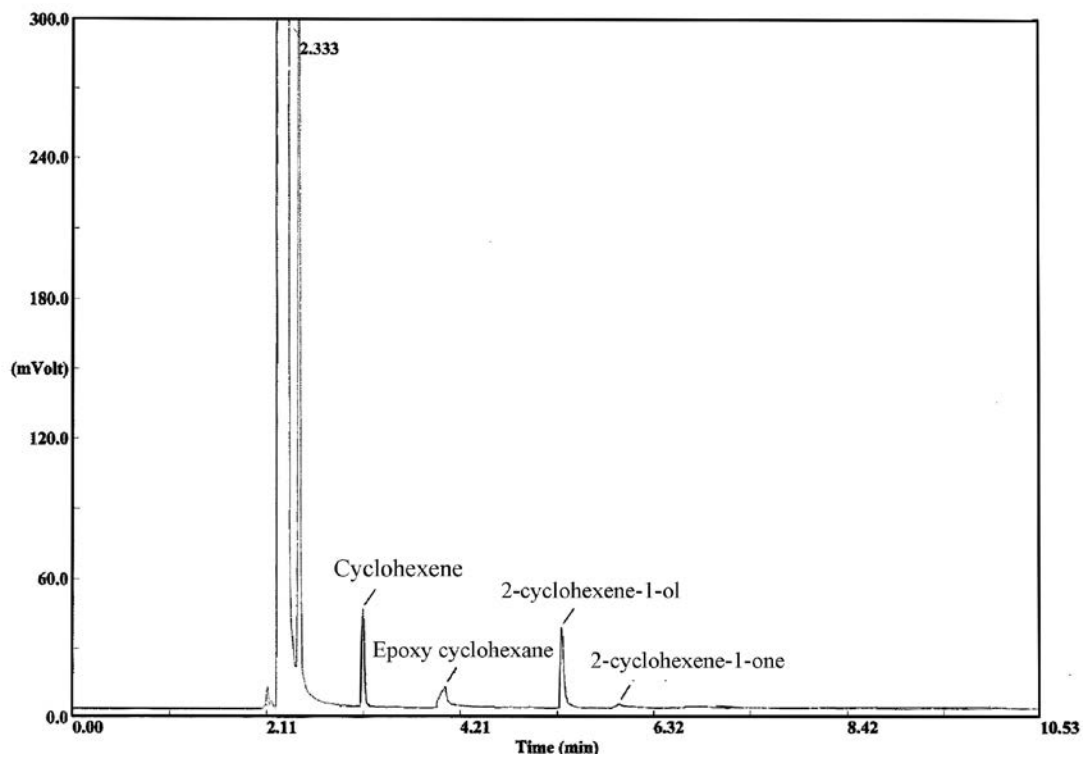


Figure S6. Gas chromatogram of cyclohexene epoxidation, based on external standards and using authentic samples.