

Hydrodeoxygenation of levulinic acid to γ -valerolactone over mesoporous silica supported Cu-Ni composite catalysts

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Supplementary data

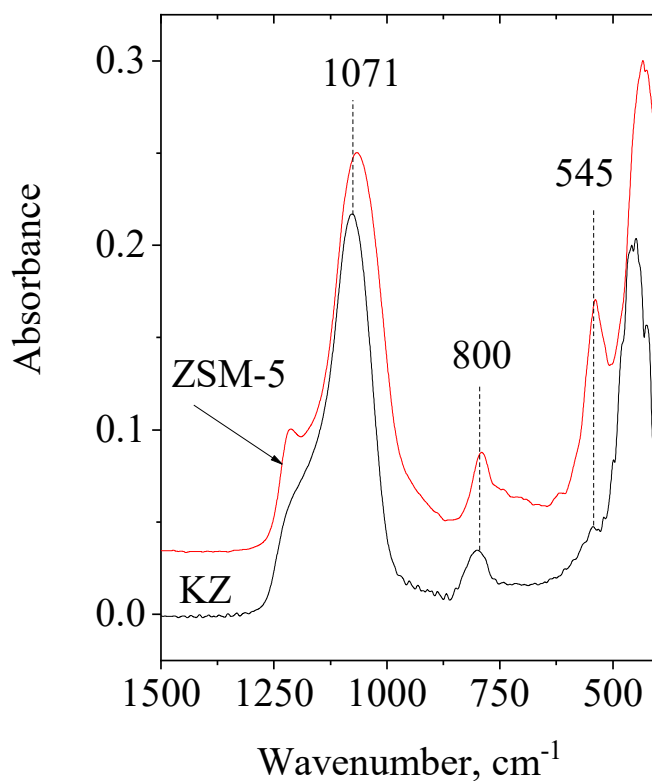


Figure S1 ATR FT-IR spectra of KZ mesoporous silica/zeolite composite compared to well crystallized ZSM-5 zeolite

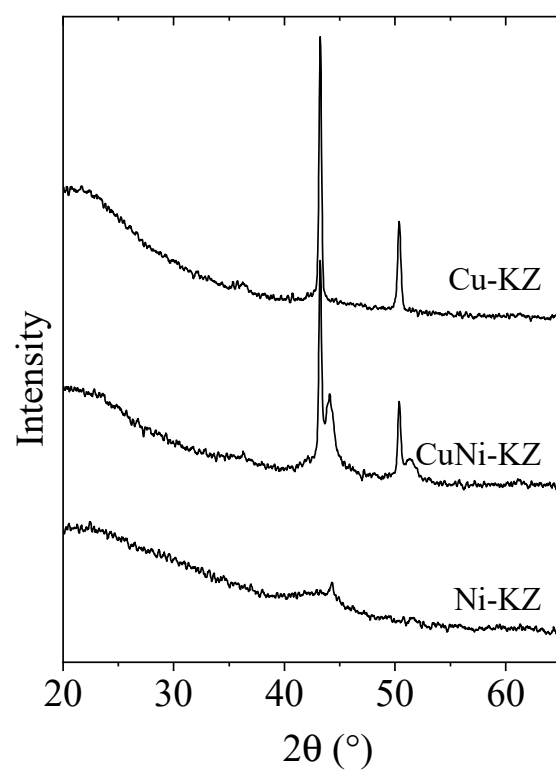


Figure S2. XRD patterns of the spent catalysts