

Remarkable acid strength of ammonium ions in zeolites:
FTIR study of low-temperature CO adsorption on NH₄FER

Electronic supplementary information

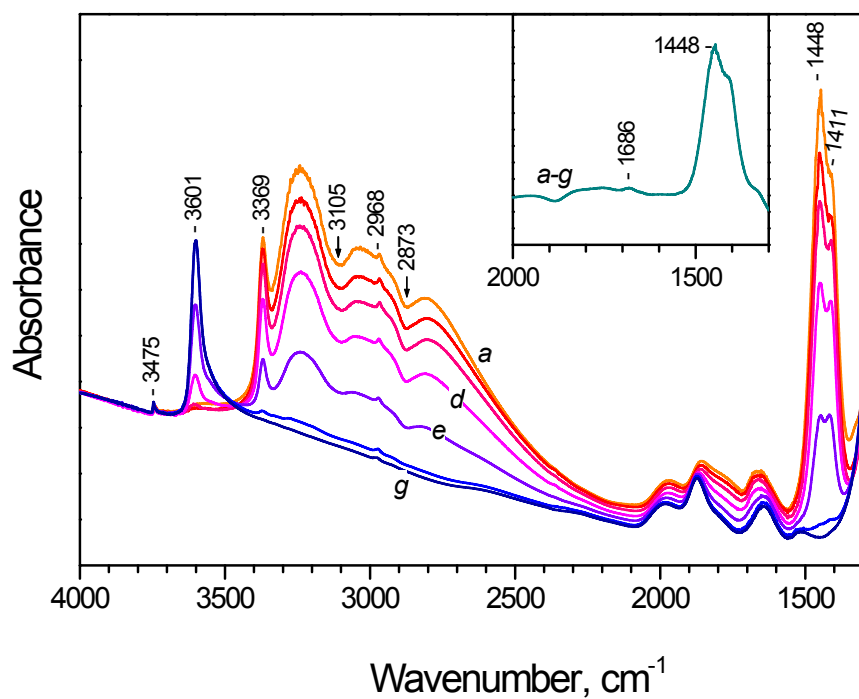


Figure S1. FTIR spectra of NH₄FER evacuated at 373 K (a), 423 K (b), 473 K (c), 523 K (d), 573 K (e), 623 K (f) and 673 K (g). The time of evacuation of 15 min except for spectrum a, 60 min. The inset shows the difference a-g spectrum.

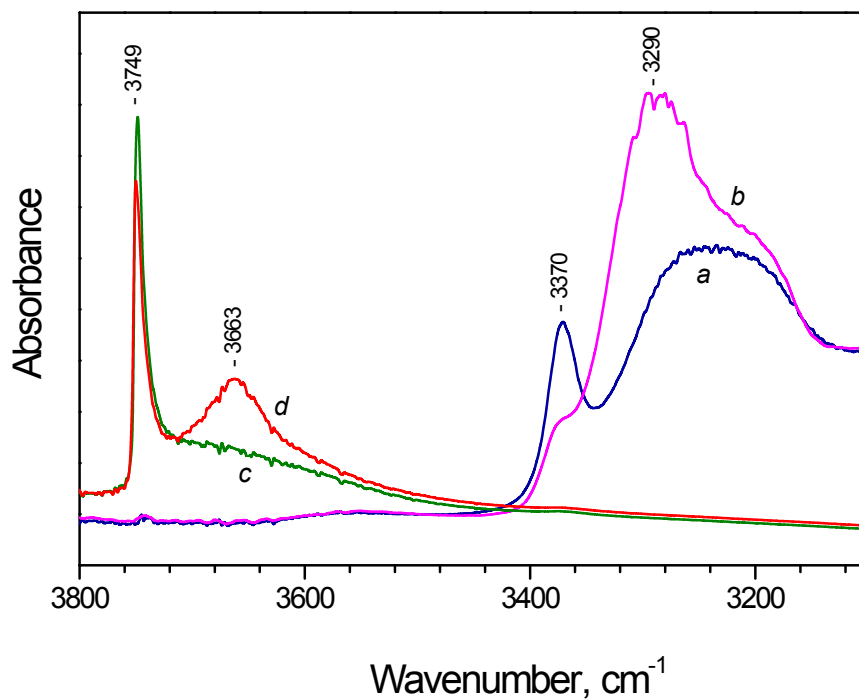


Figure S2. FTIR spectra registered at 100 K of: NH_4FER evacuated at 373 K (a) and after contact of the sample with CO (90 Pa equilibrium pressure) (b); SiO_2 evacuated at 673 K (c) and after contact of the sample with CO (100 Pa equilibrium pressure) (d).