Comparison of Industrial and Lab-scale Ion Exchange for the DeNO$_x$-SCR Performance of Cu Chabazites: A Case Study

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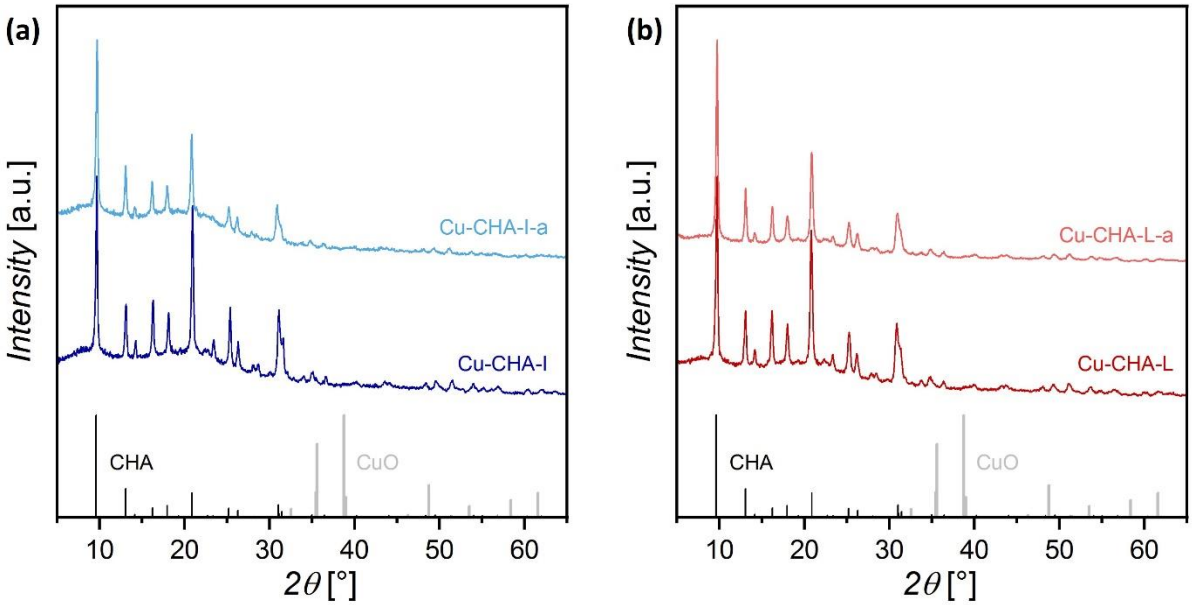

Figure S1. X-ray diffractograms of the fresh and aged industrial (a) and lab-scale (b) Cu-chabazites.

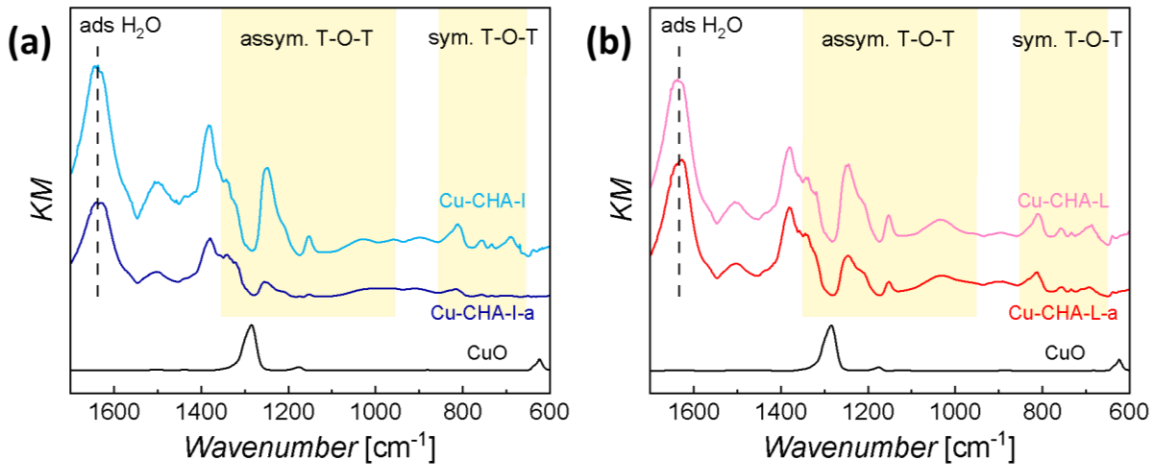

Figure S2. DRIFT spectra of the fresh and aged industrial (a) and lab-scale (b) Cu-chabazites.

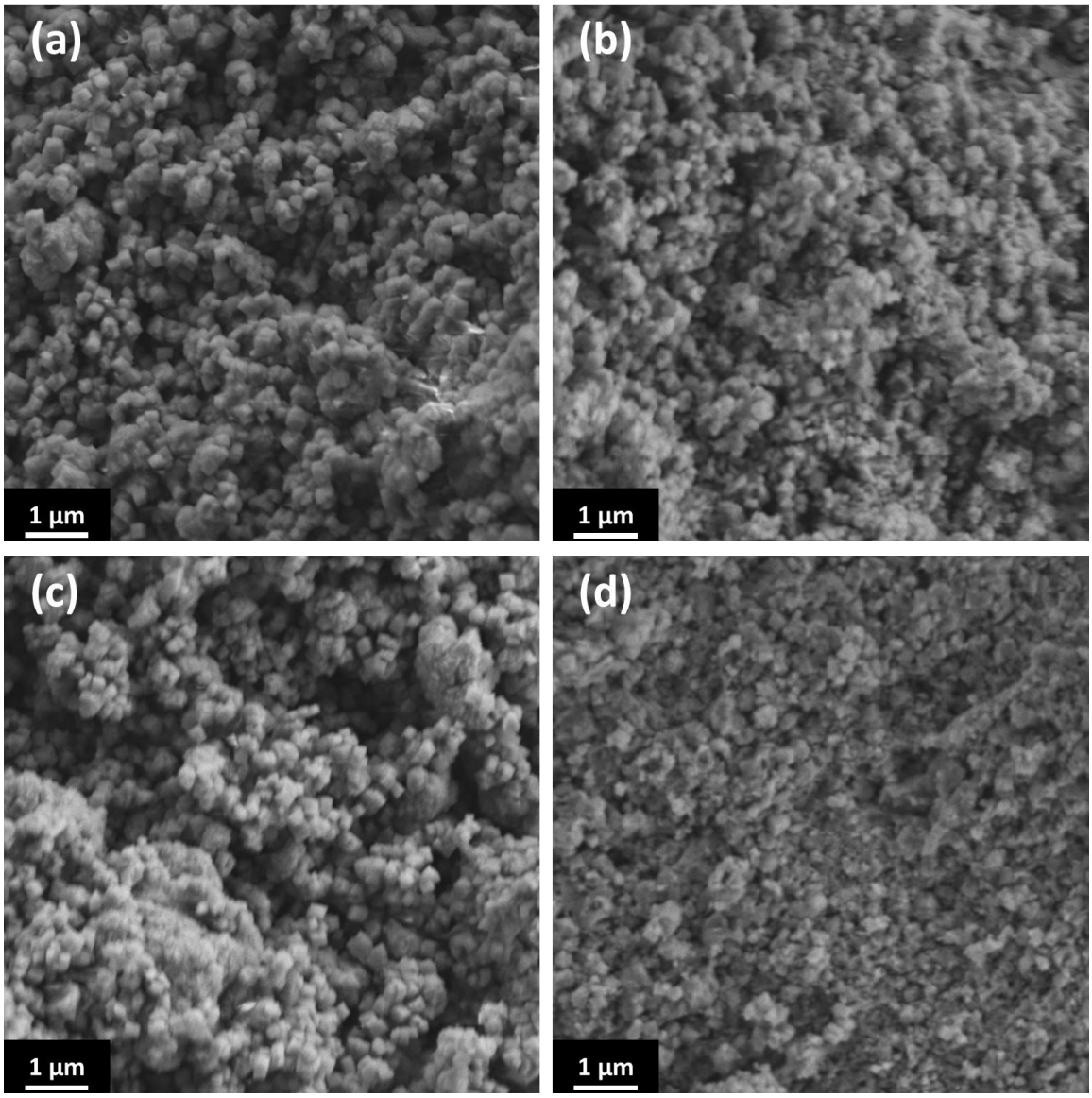

Figure S3. SEM images of the (a) Cu-CHA-I, (b) Cu-CHA-I-a, (c) Cu-CHA-L and (d) Cu-CHA-L-a.

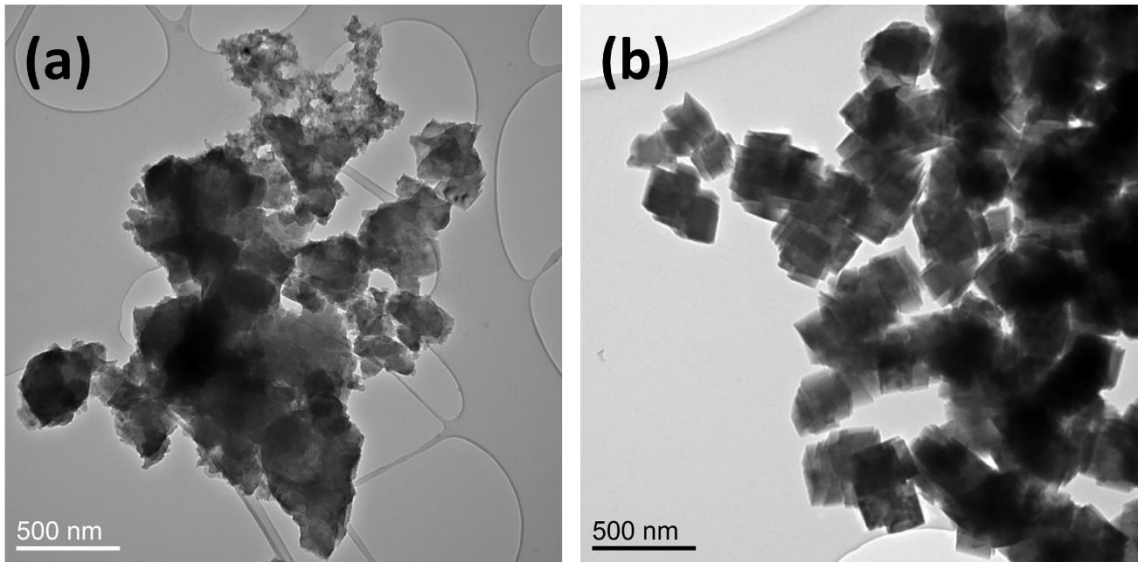

Figure S4. TEM images of the (a) Cu-CHA-I-a and (b) Cu-CHA-L-a.

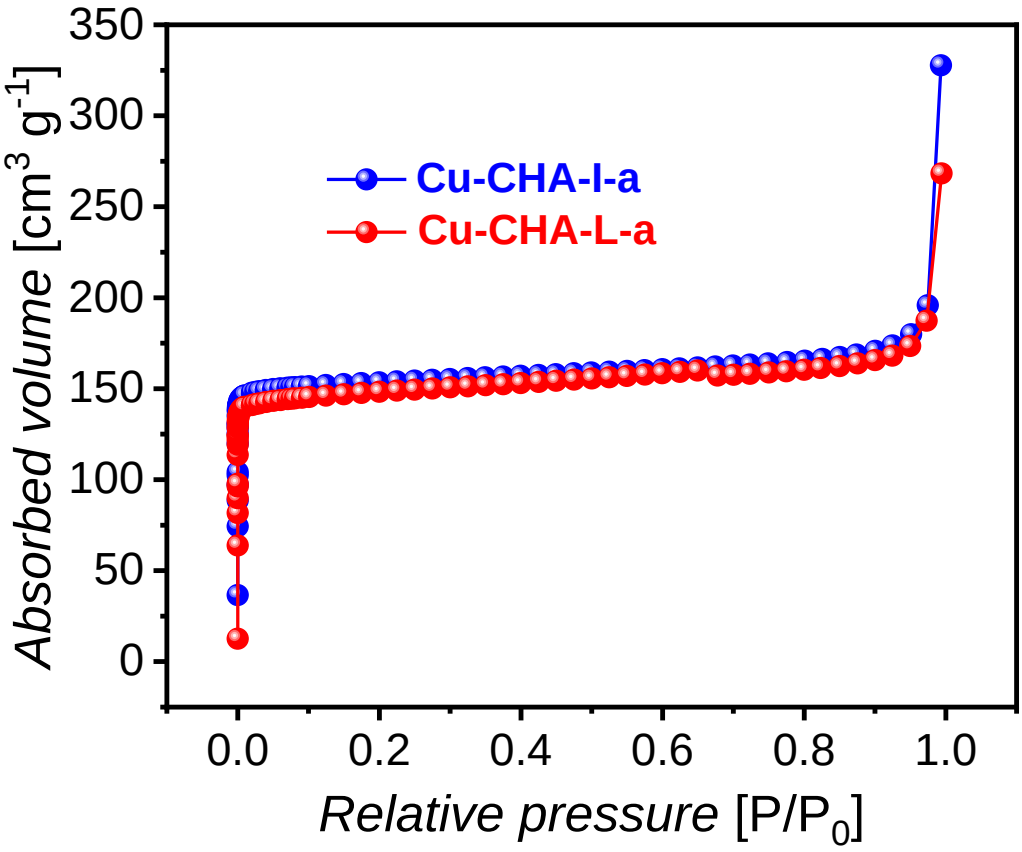

Figure S5. Nitrogen adsorption isotherms of Cu-CHA-I-a and Cu-CHA-L-a.

Table S1. The intensity ratio of peak '*' and peak '^' in ^{27}Al solid state NMR spectra

Sample	The intensity ratio
Cu-CHA-I	5.39
Cu-CHA-L	5.76
Cu-CHA-I-a	3.30
Cu-CHA-L-a	3.18