**Synthesis of  EMT/FAU-type zeolite nanocrystal aggregates with high yield and crystalline state**

Synthèse d’agrégats de nanocristaux de zéolithe de type EMT/FAU avec un rendement et un état cristallin important

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**Supporting Information**

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**Fig. S1** XRD pattern of the as-synthesized zeolite sample synthesized in the presence of 5 equivalents of TEA additive (S1;5;7;0) after 7 days of thermal treatment at 30 °C

Stars correspond to the peaks that can be attributed to EMT-type zeolite and full circles correspond to the peaks that can be attributed to FAU-type zeolite

**2θ ° (CuKα)**

**Table S1** Atomic absorption spectroscopy results for the samples synthesized in the absence of TEA additive: x = 0 (Reference, without TEA) and in the presence of 5 equivalents of TEA additive with 1 equivalent of Al2O3 (S1;5;7;0), with 1.5 equivalents of Al2O3 (S1.5;5;7;0) and with 2 equivalents of Al2O3 (S2;5;7;0) after 7 days of thermal treatment at 30 °C

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample**  | **Reference, without TEA** | **S1;5;7;0** | **S1.5;5;7;0** | **S2;5;7;0** |
| wt.% of remaining silica in mother liquor | 1.3 | 1.5 | 0.8 | 0.6 |