



CHARACTERISATION OF ETS-10 AND ET(Fe)S-10 MOLECULAR SIEVES EXCHANGED WITH DIFFERENT CATIONS

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Abstract

The aim of this paper is the characterisation of ETS-10 and ET(Fe)S-10 molecular sieves exchanged with different cations by powder X-ray diffraction patterns, atomic absorption and thermal analysis to define their difference on exchange capacity, amount of absorbable water as a function of exchanged cation and ²⁹Si-NMR for identification of various phases.

Keywords: ETS-10, ET(Fe)S-10, molecular sieve, titanosilicate, ionic exchange

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