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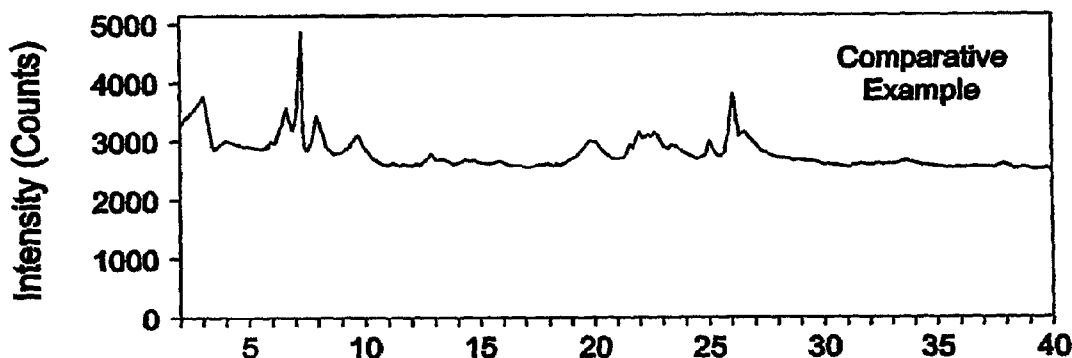
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(54) Title: A PROCESS FOR MANUFACTURING MCM-22 FAMILY MOLECULAR SIEVES

XRD of As-synthesized Products of Comparative Example



(57) Abstract: A method of manufacturing a molecular sieve of the MCM-22 family, said method comprising the steps of (a) providing a mixture comprising at least one source of ions of tetravalent element, at least one source of alkali metal hydroxide, at least one directing-agent (R), water, and optionally at least one source of ions of trivalent element, said mixture having the following mole composition: $Y:X_2 = 10$ to infinity $H_2O:Y = 1$ to 20 $OH^-:Y = 0.001$ to 2 $M^+:Y = 0.001$ to 2 $R:Y = 0.001$ to 0.34 wherein Y is a tetravalent element, X is a trivalent element, M is an alkali metal; (b) treating said mixture at crystallization conditions for less than 72 hr to form a treated mixture having said molecular sieve, wherein said crystallization conditions comprise a temperature in the range of from about 160°C to about 250°C; and (c) recovering said molecular sieve.

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