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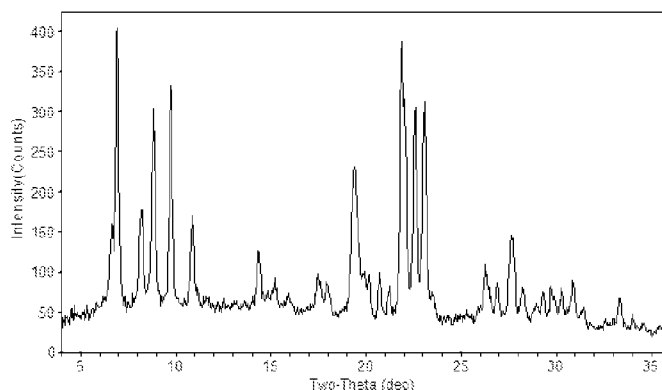
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(54) Title: SYNTHESIS OF MSE-FRAMEWORK TYPE MOLECULAR SIEVES

Figure 1: X-ray diffraction pattern of MCM-68 prepared with SDA (VIII)



(57) **Abstract:** A method of synthesizing a crystalline molecular sieve having an MSE framework type comprises crystallizing a reaction mixture comprising a source of water, a source of an oxide of a tetravalent element, Y, selected from at least one of silicon, tin, titanium, vanadium, and germanium, optionally a source of a trivalent element, X, a source of an alkali or alkaline earth metal, M, and a source of organic dications, Q, such as 3-hydroxy-1-(4-(1-methylpiperidiii-1-ium-1-yl)butyl)quinuclidin-1-ium, 3-hydroxy-1-(5-(1-methylpiperidin-1-ium-1-yl)pentyl)quinuclidin-1-ium, 1,1'-(butane-1,4-diyl)bis(1-methylpiperidin-1-ium), 1,1'-(pentane-1,5-diyl)bis(1-methylpiperidin-1-ium), 1,1'-(hexane-1,6-diyl)bis(1-methylpiperidin-1-ium), and/or 1,1'-(3,6,9-octahydronaphthalene-2,5-diyl)bis(1-methylpiperidin-1-ium).