



EVALUATION OF NATURAL ION EXCHANGERS FOR THE REMOVAL OF RADIOACTIVE ISOTOPES FROM LIQUID EFFLUENTS

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Abstract

This paper shows results of tests in which clinoptilolite powders were evaluated for treating the radioactive wastes streams. The objective of this study was to examine the ion-exchange characteristics and the abilities to uptake radioisotopes of indigene clinoptilolite from Marsid area-Romania. The effect of particle size and contacting time on K_d and radioactivity removal was studied.

Keywords: radionuclides, radioactive wastes, zeolite, ion exchange, radioactivity removal

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