

Determination of uranium in a phosphate rock sample. Abdennabi, A. M. S.. Dep. Chem., King Fahd Univ. Pet. and Miner., Dhahran, Saudi Arabia. Arabian Journal for Science and Engineering (1990), 15(3), 473-8. CODEN: AJSEYD ISSN: 0377-9211. Journal written in English. CAN 113:223700 AN 1990:623700 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

Uranium was sepd. from phosphate rocks by adsorption on a strongly basic anion-exchange resin or extd. by tri-n-octylphosphine oxide. The extn. method is simpler and more applicable than the anion-exchange method. The sepd. uranium is detd. spectrophotometrically by means of 2-(5-bromo-2-pyridylazo)-5-(diethylamino)phenol. Samples from 2 different places which have phosphatic beds were investigated. The uranium contents of those samples was successfully detd. and correlates with other chem. constituents.