

Determination of uranium in a phosphate rock sample. Abdennabi, A. M. S.. Dep. Chem., King Fahd Univ. Pet. Miner., Dhahran, Saudi Arabia. Arabian Journal for Science and Engineering (1990), 15(3), 473-8. CODEN: AJSEDY ISSN: 0377-9211. Journal written in English. CAN 116:119892 AN 1992:119892 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

Uranium in phosphatic rocks is sepd. by adsorption on a strongly basic anion-exchange resin or extd. by trioctylphosphine oxide. The extrn. 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-diethylaminophenol. Samples from two different places which have phosphatic beds were investigated. The uranium contents of those samples have been successfully detd. and found to correlate with other chem. constituents.