

**Spectrophotometric determination of uranium(VI) with 2,2'-[2,6-pyridinediylbis(methylidynenitrilo)]phenol.** Abdennabi, A. M. S.; Anter, M. Chem. Dep., King Fahd Univ. Pet. Miner., Dhahran, Saudi Arabia. Analytical Letters (1988), 21(5), 881-8. CODEN: ANALBP ISSN: 0003-2719. Journal written in English. CAN 109:121673 AN 1988:521673 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

#### **Abstract**

A spectrophotometric method for the detn. of microgram amts. of uranium(VI) is described. Uranium(VI) is extd. with chloroform from aq. soln. at pH 3.2 and forms a complex (1:1 metal to ligand) with 2,2'-[2,6-pyridinediylbis(methylidynenitrilo)]phenol. The red color developed is measured at 500 nm and the molar absorptivity is  $1.19 \times 10^4$  L mol<sup>-1</sup> cm<sup>-1</sup>. The effect of various foreign ions is reported.