

Determination of trace amounts of barium in calcium-containing matrixes by atomic-absorption spectrophotometry following solvent extraction with poly(ethylene glycol).
Jaber, A. M. Y.; El-Issa, M. Y. S. Chem. Dep., Univ. Jordan, Amman, Jordan. Analyst (Cambridge, United Kingdom) (1981), 106(1266), 939-43. CODEN: ANALAO ISSN: 0003-2654. Journal written in English. CAN 95:196785 AN 1981:596785 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

Ba was detd. in Ca-contg. matrixes by flame at.-absorption spectrophotometry after extn. by PEG 1540 from the matrix adjusted to 1.8×10^{-2} mol picric acid/dm³. Subsequent washing of the org. phase was unnecessary. For an initial concn. of 2.0×10^{-5} mol Ba/dm³, the mean recovery from 8 extns. was 99.50% with a std. deviation of 0.1126×10^{-6} mol/dm³.