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Study of solvent extraction of 60Co(II) using quinaldic acid into 1-pentanol

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[en] The present work describes a rapid and selective separation method for the extraction of Co(II) from other elements with quinaldic acid into 1-pentanol. ^{60}Co has been used as tracer for studying various parameters such as effect of pH, time of equilibration, solvents, anions and foreign ions. The stoichiometry of metal to reagent was determined by the substoichiometric solvent extraction method and slope-ratio method. (author)

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