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Gravimetric Estimation of Yttrium (III) Using Hydroxy Lawsone

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ABSTRACT

Isonaphthazarin (2-hydroxy Lawsone i.e. 2,3-dihydroxy-1,4-naphthalenedione) is well known spectrophotometric reagent for thorium determination[1]. Yttrium is found to be an important element in analytical, biological Chemistry as well as in industrial purposes. Because of its novel coordination geometry, it is used for the kinetic studies. It is also used in industrial glass devices, electronic devices, graded index lenses and semiconductors. Yttrium can be gravimetrically estimated by using an analytical reagent Isonaphthazarin.

Keywords: Lawsone, Isonaphthazarin, Yttrium metal, Gravimetric Estimation.
