

Determination of The Stability Constants of Furosemide Complexes with Metals in Aqueous Media by Potentiometric Measurement

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Abstract: Study showed the higher values of Metal stability constant with Furosemide diuretic drug. The stability constant of co-ordination complexes of Furosemide diuretic drug and metals such as Co^{+2} , La^{+3} , Ni^{+2} and Cu^{+2} has been studied potentiometrically and in the presence of NaClO_4 by pH-metric technique at 27°C , the order of the stability constant of the formed complexes increase for La to Cu as $\text{La} < \text{Co} < \text{Ni} < \text{Cu}$.

Keywords: Lanthanum, Potentiometric, Stability Constant, Medicinal drug, Metal complexes

