

## The Effect of Ionic Strength on the Extraction of Copper(II) from Perchlorate Solutions by Capric Acid in Chloroform

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**Abstract :** The liquid-liquid extraction of copper (II) from aqueous solution by capric acid (HL) in chloroform at 25°C has been studied. The ionic strength effect of the aqueous phase shows that the extraction of copper(II) increases with the increase in ionic strength. with different ionic strengths 1, 0.5, 0.25, 0.125 and 0.1M in the aqueous phase. Cu (II) is extracted as the complex  $CuL_2(ClO_4)$ .

**Keywords :** liquid-liquid extraction, ionic strength, copper (II), capric acid

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