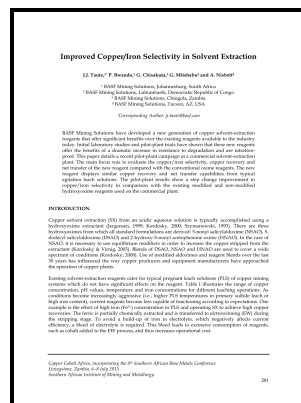


Solvent extraction of copper (II) from iron (III) sulphate solutions using hydroxyoxime reagents.

University of Birmingham - Stages Of Copper Extraction



Description: -

-Solvent extraction of copper (II) from iron (III) sulphate solutions using hydroxyoxime reagents.

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Notes: Thesis (M.Sc.) - University of Birmingham, Dept of Minerals Engineering.

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Writing A Balanced Chemical Equation (video lessons, examples and solutions)

The organic phase comprised an 8% by volume solution of a composition containing 50% by weight 2-hydroxy-5-nonyl benzaldoxime, 25% by weight iso-octadecyl alcohol, the balance being Escaid 100. Since formation of the complex compound may involve the liberation of acid, it may be necessary to add e. The leach solution may in certain embodiments be one that contains high levels of nickel and cobalt.

The separation and recovery of copper(II), nickel(II), cobalt(II), zinc(II), and cadmium(II) in a sulfate

Under the conditions close to the maximum metal loading capacity of the organic dithiophosphinic extractant, the nickel ions present in the aqueous feed solution may be loaded onto the extractant by displacing cobalt to the aqueous phase. Therefore, antagonism is evidenced by SF M 1.

Solvent extraction: the coordination chemistry behind extractive metallurgy

In both extraction stages and the first stripping stage the organic extractant solution formed the continuous phase, but in the second strip stage the aqueous solution formed the continuous phase during mixing. Partial neutralization may be accomplished using any suitable base reagent.

A synergistic solvent extraction system for separating copper from iron in high chloride concentration solutions

These samples were then centrifuged in specially designed graduated vessels to determine the levels of entrainment of both organic in aqueous and aqueous in organic.

Minerals Engineering International Online

Examples of useful sulfonic acids include dinonylnaphthalenesulfonic acid and dodecylbenzene sulfonic acid.

Separation of iron(III), copper(II) and zinc(II) from a mixed sulphate/chloride solution using TBP, LIX 84I and Cyanex 923

Concentration of the copper II sulphate solution by solvent extraction. On the basis of this data, it is evident that the organic phase can be stripped substantially free of nickel, thus making it available for a new loading cycle, while producing an aqueous strip solution of high nickel content which can be treated for nickel recovery.

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