

Recuperacion de cu(II) desde aguas de mina en un extractor basado en impregnacion de membranas liquidas del tipo fibras huecas

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The communication describes a process of recovery and enrichment of Cu(II) from mine waters in a liquid membrane extractor using hollow fibers as solid support. 5Dodecylsalicylaldoxime was used as extracting carrier for copper (II). Respect to previous work, the present report communicates recent advances in the extraction of copper from real solutions using an extractor system which works with only one reactor by impregnating with the organic solvent the pores of the solid support. These results were compared with others obtained using a former extractor system made of two coupled reactors (one for extraction and one for stripping) which works by recycling a bigger inventory of organic phase between reactors. The novel extraction system showed an improved efficiency to metal transport saving a significant amount of solvent.