

Method for cleaning water solutions of nickel ions comprises of reagent sedimentation of nickel ions, with application of alkaline reagents and separation of sediment from water through precipitation. Water solution is previously treated by the mix of iron (II) and iron (III) salts solutions, with the ratio of components within $\text{Ni}^{2+} : \text{Fe}^{2+} : \text{Fe}^{3+} = 1 : (3.5 - 4.5) : (9.0 - 11.0)$, and the treatment by alkaline agent is carried out till pH 8.5-10.0.