

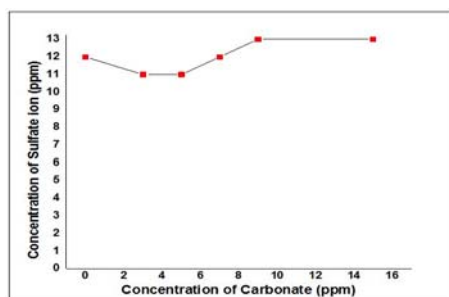
Influence of interfering ions in determination of cations and anions in spent desulfurized waste for the preparation of NaHCO_3

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The regeneration of desulfurized spent waste is fully depends on its analysis method. In this present investigation, after filtration of spent waste, the Na^+ , SO_4^{2-} , CO_3^{2-} , and HCO_3^- were analyzed in presence of potential interferences. In determination of SO_4^{2-} ion, anionic interferences like HCO_3^- and CO_3^{2-} were performed by HACH method. As shown in figure the initial SO_4^{2-} ion concentration (12 ppm) is maintained and not much affected by the CO_3^{2-} ion as interferences.



Key words: Desulfurized waste, interference, Na_2SO_4 , Na_2CO_3 , and NaHCO_3