

## The Removal of Heavy Metals by Chlorination and Ozonization after Coagulations in Drinking Water Treatment

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The removal of heavy metal by chlorination and ozonization after coagulations in drinking water treatment was investigated.

Based on the results, optimal coagulant concentrations to remove heavy metals were 10ppm for alum at pH8, 10ppm for PAC at pH7, respectively.

The removal of Pb, Cu and Cd in heavy metals sample was high in alum and PAC coagulation. And in removal of Pb, Cu and Cd, PAC was more effective than alum. Removal of heavy metals by oxidation after coagulation were that ozonization was more effective than chlorination.