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CONTRIBUTIONS REGARDING THE COMBINED USE OF THE COAGULATION REAGENTS

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Abstract

In this work is presented a research on water treatment by using coagulation reagent such as Sachtoklar aluminium bases polychlorides and alkalization reagent like sodium aluminate. The purpose of this research is to study the efficiency or inefficiency of these reagents to break up the colloidal systems and to reduce the turbidity of the treated water.

To obtain the normal turbidity of water, it was established the relationship between the Sachtoklar aluminium bases polychlorides and the aluminate, as well as the best conditions of the coagulation process.

Also it was studied the deposition time of formed floccules of the turbidities obtained at different doses of aluminum.

Keywords: water's coagulation, aluminium bases poly chlorides, sodium aluminate turbidity

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