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## **Investigation of waste water quality from fish processing factory according to environmental standards for agricultural use**

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### **Abstract**

Due to the growing population and increased demand for processed products such as canned fish, increase processing factory and increased production of industrial waste in the Babolsar area was investigated. Because of the high fat effluent treatment plant in this town has been causing problems in the field. In this study, qualitative indicators BOD, COD, TSS and pH in the initial waste cooking of two type of fish *Thunnus tonggol* and *Euthynnus affinis* measuring and comparing and examining how to reuse them in return. According to the results, BOD, COD, TSS and TDS in fish *Thunnus tonggol* were 10558.20, 67946.41, 21790 and 2.07 and in *Euthynnus affinis* were 35641.25, 71085.33, 40457 and 2.06 which did not match the values provided by the Department of Environment. The wastewater is not suitable for use in agriculture and in need of treatment were compared needed to be done with the authorized environment.

**Keywords:** Initial cooking fish waste, Reuse of wastewater, Sanitation