



TEXTILE INDUSTRY

Plant Application Successful Experience

A textile industry/dyeing facility located in South America with an effluent outflow of 75 m³/h was using Alum Salt and de-coloring agent. In order to achieve the environmental agency standard.

CURRENT TREATMENT

- High cost in the wastewater treatment using alum salts, polymers and lime;
- Very low efficiency process using alum salt, polymer and lime;
- High ecotoxicity and toxicity in the current treatment process;
- The large amounts of the alum salts and polymers will be accumulated in the surrounding ecosystem, negatively affecting wildlife and the ecosystem.



REDUCES TREATMENT COST

- Acquapol is a metal-free vegetable organic coagulant/flocculant with the special characteristic of color removal and improve the clarification;
- Sludge volume reduction;
- COD reduction;
- Biodegradable product, compatible with the secondary treatment (activated sludge);
- Possibility of the reuse treated water;
- Less operational care;
- Cost reduction.

	Dosage mg/L	PAM mg/L	De-coloring	COD (in flow 1,200 mg/L)	Color (in flow 430 mg Pt/Co)	Sludge Reduction
Alum Salt Treatment	450 mg/L	3	250 mg/L	460 mg/L	27 mg Pt/Co	
ACQUAPOL Treatment	200 mg/L	1	40 mg/L	220 mg/L	14 mg Pt/Co	
Reduction	56 %	66 %	84 %	82 %	96.7 %	

