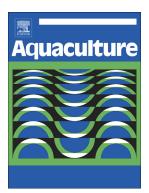
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Chitins and chitosans for the removal of total ammonia of aquaculture effluents

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Abstract

This study aimed to evaluate efficiency of adsorption of chitins of marine and freshwater shrimps, three commercial chitosan and chitosan produced in laboratory in the removal of total ammonia synthetic effluents with different initial concentrations of ammonia and natural aquaculture effluents. The adsorbents were characterized in relation to degree of deacetylation, specific surface area and porosity, surface characteristics of particles, chemical composition and semicrystalline structure. Were performed adsorbent dosage effect tests in Download English Version:

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