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Hygienic-sanitary Conditions of Fish Markets Commercialized in the Municipality of Maceió – Alagoas

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ABSTRACT

Introduction: The search for a healthier diet has led to a worldwide increase in fish consumption in recent years. This also brought a growth of diseases transmitted by this type of food, when outside the quality standards and poor hygienic-sanitary conditions of the establishments in which they are sold. This study aims to evaluate the hygienic-sanitary conditions of fish commercialized in the city of Maceió - Alagoas, contributing to define a microbiological profile of this product. **Methodology:** Fish samples from six commercial points were collected from commercial establishments, with two replicates at different periods, totaling 12 samples. Microbiological analyzes were performed for total and thermotolerant coliforms, *Salmonella* spp and *Staphylococcus aureus* (coagulase-positive), following methodology according to the legislation. . **Results and Discussion:** Turbidity and gas production were observed in 75% of the total coliform samples and 66.66% of positivity for the samples in the EC tubes, indicating the presence of thermotolerant coliforms. *Salmonella* spp was absent in all samples. In the *Staphylococcus aureus* analyzes, only one sample (8.33%) was uncontaminated by this microorganism, however, 91.67% of the samples were contaminated. **Conclusion:** The sum of these results suggests possible fecal contamination, evidencing unsatisfactory hygienic-sanitary conditions of manipulation of the fish commercialized in the evaluated establishments of the city of Maceió-AL.

Keywords:

Hygienic-sanitary, microbiological analyzes, Fish, Coliforms, *Staphylococcus aureus*.

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