Introduction

The success of plastic-bag drinking water in West African countries is mainly due to its convenience, affordable cost and apparent hygiene.

Objectives: Assess the quality of plastic-bag water and conduct a quality control of its production sites.

Methods

Inspection by Ichikawa method

Factories

Selected factories

Sampling

Physico-chemical

Bacteriological

Plastic-bag packaged water

Quality control (WHO parameters)

Results

Factory plastic-bag drinking water was a progress compared with handfilled plastic-bag water. However, there is a health risk associated with the drinking of some this products. Therefore, their quality and processing need to be improved to meet WHO recommended criteria for drinking water.

Causes of failure

- Lack of employee training 12%
- Substandard sanitation programs 10%
- Substandard sites 10%
- Handfilling packaging process 6%

References