



## The assessment of the quality of drinking water in Ibb City , Yemen .

Mohammed H .  
Matloob \*

Abdusalam M .  
Al- Joufi,

Mohammed Hassan  
Ali Saleh

### *Abstract:*

The Ibb Water and Sanitation Authority (Ibb WSA) collects water from several wells located on the outskirts of the city in a large water – reservoir made of cement . After it is chlorinated, water is pumped through a network of water – pipes to most of the city . The remaining areas of the city are supplied by water – tankers which collect water from a few scattered wells lying outside the city .

Chemical analysis (using anodic stripping voltammetry and several conventional methods) was conducted before and after the pumping process, on water from both sources as well as the portable water commercially purified and sold in the city .

Based on the results of these analysis, water supplied by the Ibb WSA has been found to be drinkable in accordance with local and international water standards . The water from other wells except those in Al- Dhahoub Valley, has also been found to have the same quality . The water storage and delivery processes have been found to cause a little pollution of an order which does not affect its quality for human consumption .

The chemical analysis of commercially sold water is of the same standard as that sold in neighbouring countries .