

## Laboratory Testing Confirms WOZ Sterilizes Water



**S**OTA had the WOZ3 model of the Water Ozonator tested on water contaminated with three virulent yet common pathogens—E-coli (*Escherichia coli*), *Pseudomonas aeruginosa*, and *Staphylococcus aureus*. All three pathogens were killed within 15 minutes of exposure to the ozone bubbling through the contaminated water. The WOZ3 had an output of 108 mg/hr.\*

With this level of ozone, the lab reported: "Nova Biological, Inc. certifies that the 108 mg/hr Ozone Generation Unit effectively sterilizes drinking water that is heavily contaminated with several different types of microorganisms."

*Lab Report*

### Laboratory Testing in Nigeria on Seven Pathogens

The WOZ3 Model of the SOTA Water Ozonator was also tested in Nigeria. Dr. Imoh Enang, M.D. took a unit to the Hopkins Medical Diagnostic Laboratories in Lagos for testing. Two of the 7 virulent pathogens chosen were the same as those tested by Nova Biological, Inc., Texas USA: E-coli (*Escherichia coli*) and *Pseudomonas* spp. The other 5 were: *Candida* spp, *Salmonella* spp, *Shigella* spp, *Proteus mirabilis*, and *Klebsiella* spp.

The level of contamination used by this laboratory resulted in all 7 pathogens being killed within 5 minutes. The laboratory concluded: "The bactericidal potency of WOZ3 apparatus is very efficient. I hereby recommend the machine to laboratories and pharmaceutical companies for use."

*Lab Report*

Our current model, the WOZ5, has a greater ozone output than the WOZ3 that was used in the laboratory testing. The WOZ3 had an output of 108 mg/hr while the WOZ5 has an output of greater than 200 mg/hr.

\* Ozone output is commonly rated at mg/hour at a specific litres per minute (LPM) airflow. There are two methods to measure the ozone output:

- a. Chemical titration method which gives an incorrectly high rating, or
- b. Ozone-in-air which gives the most accurate rating.

The SOTA Water Ozonator is rated by the second, more accurate method. It is a true 200 mg/hr @ 1.5 LPM airflow. The SOTA unit was tested using a GM Anceros ozone-in-air analyzer.