

**SIRIM Berhad**

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## TEST REPORT

REPORT NO: R027/14/B19-26

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Applicant : Leong Hoong Fook  
Company : ETS BIO.FREEZE Sdn Bhd  
Sample : Medilox Superoxidized Water  
Reference standard / Method of Test : Chemical Disinfectants and Antiseptics – Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics- Test method requirements (phase 1). BS EN 1040:2005 (*with modification*).  
Bactericidal/Fungicidal activity were evaluated using the following microorganism:  
1. *Pseudomonas aeruginosa* ATCC 9027  
2. *Escherichia coli* ATCC 8739  
3. *Staphylococcus aureus* ATCC 25923  
4. *Salmonella typhi* ATCC 49416  
5. *Candida albicans* ATCC 10231

1ml of bacterial suspension of  $10^8$  or fungi/yeast suspension of  $10^6$  were spiked into 9ml of samples and incubated in water bath at 30°C for 30 seconds (contact time).

Immediately after 30 seconds, 1ml was then transferred into 9ml neutralizer (Phosphate Buffer) and further incubated in water bath at 30°C for 5 minutes. 1ml was then transferred into tryptone water and serial dilution performed. Viable cell count of microbial cells that survived after treatment was determined using Tryptic Soy Agar (for bacterial cells) and Potato Dextrose Agar (for fungal cells) by pour plate method. As a control, similar tests were carried out using sterile tryptone water instead of sample.

Description of Sample : Received one ( 1 ) sample with the following identification:  
**1. Medilox Superoxidized Water (Liquid)**

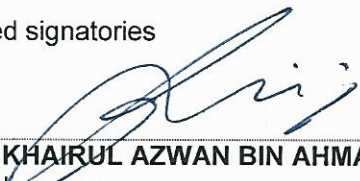
Date Received : 13 January 2014

Date Test Started : 15 January 2014

Job No. : J027/14

Issue Date : 21 January 2014

Approved signatories

  
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