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**TEST REPORT**

Date : 07/03/2005

(This Report is issued subject to the terms & conditions set out below)

Page 1 of 2

**Subject** : Testing for decomposition of bacteria by IOGENIC™  
Treatment on Petri Dish.  
**Date Received: 24/02/2005**  
**Date Tested: 01/03/2005**

**Tested For** : **Nanoaq Pte Ltd**  
53 Ubi Avenue 1, #05-30  
Singapore 408934

**Attention** : Mr Chua Hwee Woon/ Mr Chan Peng

**Results** :

**Table 1: Bacteria count on Petri Dish with IOGENIC™ Treatment**

Bacteria Name	Number of Bacteria (cfu/ml)				Percentage Killed
	Initial Number	Test Sample 1	Test Sample 2	Average	
<i>E.Coli</i>	1.6 x 10 <sup>5</sup>	<10	<10	<10	>99.99 %
<i>St. aureus</i>	1.8 x 10 <sup>5</sup>	510	670	590	>99.67 %

**Table 2: Bacteria count on Petri Dish without IOGENIC™ Treatment**

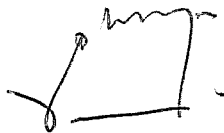
Bacteria Name	Number of Bacteria (cfu/ml)				Percentage Killed
	Initial Number	Test Sample 1	Test Sample 2	Average	
<i>E.Coli</i>	1.6 x 10 <sup>5</sup>	1.6 x 10 <sup>4</sup>	2.0 x 10 <sup>4</sup>	2.0 x 10 <sup>4</sup>	NA
<i>St. aureus</i>	1.8 x 10 <sup>5</sup>	2.8 x 10 <sup>5</sup>	3.4 x 10 <sup>5</sup>	3.1 x 10 <sup>5</sup>	NA

**Terms & conditions:**

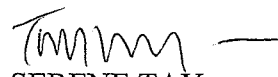
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**Methodology**

1. Supplied test product: IOGENIC™ Treatment on petri dish and UV light.
2. Test Purpose: Anti-microbial power
3. Test Method: Film Contact Method on Optical Irradiation, an anti-microbial power was determined by 'Firm contact method on optical irradiation' of SIAA(Society of Industrial – Technology of Antimicrobial Articles).
  - 3.1 The bacterial suspension was make an initial count of 100000 cfu/ml with a 1/500 Nutrient Broth(dilute with sterilization water 500 times).
  - 3.2 The bacterial suspension was transfer onto all petri dish (with and without photocatalyst IOGENIC™ Treatment on petri dish). Duplicates samples were applied in this test.
  - 3.3 The test samples was incubated at 20 to 25°C under UV light condition.
  - 3.4 The number of bacteria was counted after 24 hours.
4. Bacteria : *Escherichia Coli(E.Coli) ATCC 25922*  
*Staphylococcus Aureus(St. aureus) ATCC 6538*



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