

TEST REPORT



Your Ref:

Date: 2004-03-26

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Fax: 6773 2912

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SUBJECT

Bactericidal Activity of Ionised Silver Colloidal Solution

CLIENT

Suish Enterprise
309 Jurong East Street 32
#04-280
Singapore 600309

Attn : Jason Mikael Pitttam (President)
Nasarudin Sulaiman

SAMPLE SUBMISSION DATE

2004-03-16

DESCRIPTION OF SAMPLE

One bottle of brown colour liquid described by you as follows :

"Ionized silver compound in a double colloidal solution"
Active Ingredient : Ionized Silver 0.36%



METHOD OF TEST

As requested, the tests were carried out as follows :


1. The test microorganisms used were :
Shigella flexneri (ATCC 12022)
Salmonella typhimurium (ATCC 14028)
Escherichia coli (ATCC 10536)
2. The tests were conducted separately for each test microorganism.
3. 10 ml of bacterial suspension (10^8 cells) was inoculated into 1 litre of sterile distilled water containing 3 drops of sample. The inoculated water was allowed to stand at 25°C for 30 minutes.
4. After the specified time, the microbial count was determined by the poured plate technique in accordance with :

 FDA Bacteriological Analytical Manual Online, January 2001
 Chapter 3, Aerobic Plate Count
5. Control for each test microorganism was carried out using the inoculated distilled water held for 30 minutes without the addition of sample.


RESULTS

Product : "Ionized silver compound in a double colloidal solution"

Test Microorganism	Count of test microorganism recovered from the inoculated sample	Percentage Kill of test microorganism
<i>Shigella flexneri</i> (ATCC 12022)		
Control	1 600 000	-
30 minutes	280	99.98
<i>Salmonella typhimurium</i> (ATCC 14028)		
Control	4 500 000	-
30 minutes	310	99.99
<i>Escherichia coli</i> (ATCC 10536)		
Control	4 200 000	-
30 minutes	750	99.98



 CHENG-SHAW LAY ENG (MRS)
 TECHNICAL EXECUTIVE



 KAM-LEONG YIN PHENG (MRS)
 MICROBIOLOGIST
 MICROBIOLOGY
 TESTING GROUP

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