



香港標準及檢定中心
Hong Kong Standards and Testing Centre

Date : 2003-05-12

TEST REPORT

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NO: HC121003

APPLICANT: (Code: SUH019)

Sui Hing Chemical Co Ltd
G/F 8 Tak Shing St
TST Kln HK

Attn: Albert Ho

DESCRIPTION OF SAMPLE(S):

One submitted samples said to be On-ward All-purpose Cleaner 安樂清潔消毒劑 (綠水).

SAMPLE(S) RECEIVED DATE:

2003-04-28

TESTED DATE:

2003-05-05 to 2003-05-07

INVESTIGATION(S) REQUESTED:

Antibacterial Effectiveness against
- *Escherichia coli* (ATCC 25922)



Anne Chuah, CFD
For Chief Executive

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by The Hong Kong Standards & Testing Centre Ltd (the "Company") solely for testing and report in accordance with the following terms and conditions. The Company provides its services on the basis that such terms and conditions constitute an express agreement between the Company and any person, firm or company requesting its services (the "Clients"). 2. Any report issued by the Company as a result of this application for testing services (the "Reports") shall be issued in confidence to the Clients and the report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorised purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to his customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders. 3. The Company shall not be called or be liable to give evidence in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders. Reports issued by the Company to any independent body shall not bind the Company to support, or prevent the Company from opposing, the Clients submitting the samples, unless the names of supplier and buyer are disclosed prior to the issuance of the Report. The Company reserves the right to refuse to take part in any legal action against the Clients. 4. The Report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report. 5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate. 6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company. 7. The Company will not be liable for or accept responsibility for any loss or damage whatsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations. 8. Applicants wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing. 9. The Company will take reasonable care of samples submitted for testing whilst in the Company's possession. However, no liability is accepted for loss or damage howsoever caused, to goods and/or samples whilst in the possession or under the control of the Company. Misuse of samples submitted for the purpose of testing is inevitable. The Company will return, on the Client's written request, only what remains of the samples after testing. The Clients agree that any samples, if retained by the Company may be destroyed after one month, unless the Company has specifically instructed otherwise. 10. Samples which are in the Company's reasonable opinion too small to afford an adequate examination or test to be made, may nevertheless, subject to the Company's entire discretion, be accepted for test but the relevant report may be accordingly qualified.

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METHOD(S) USED:

1. Prepare bacteria cell suspension
2. Add diluted sample (1:13) into bacteria suspension, mix thoroughly.
3. Repeat step 2, three trials to be carried out.
4. Add sterile water into bacteria suspension as control
5. Let the sample mixtures and control stand for 2 hours
6. Add neutralizing agent into the sample mixtures and control, mix thoroughly
7. Perform total plate count of sample mixtures and control according to USP 26 Section < 61>

TEST RESULT(S):

Sample	<i>Escherichia coli</i>
Control	3,800,000 CFU/ml
Sample mixture (trial 1)	<1 CFU/ml
Sample mixture (trial 2)	<1 CFU/ml
Sample mixture (trial 3)	<1 CFU/ml
Average of three trials	<1 CFU/ml
Bacteria Reduction rate **	99.99 %

Notes : CFU/ml denotes colony forming unit per milliliter

< denotes less than

** Bacteria Reduction rate = $\frac{\text{control} - \text{average of three trials}}{\text{control}}$

CONCLUSION(S):

The submitted sample is able to eliminate 99.99% of *Escherichia coli* (ATCC 25922) inoculated.

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