

TEST REPORT**SABS**

Health and Hygiene
 Attention: Mr.J.Temperley
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 2157

U verw/Your ref. dd 99-03-12

Ons verw/Our ref. 17/37/9

Navrae/Enquiries 428-6087

Datum/Date 14-10-2002

5447/1066950/S1183a

bladsy/page 1 van/of 3

FORMULA 10 SUPER CONCENTRATE**1. DESCRIPTION OF SAMPLES**

One sample labelled "Formula 10 Super Concentrate Batch 990207" was received on 1999-02-22 and tested on 1999-03-20.

THIS TEST HAS BEEN
 CARRIED OUT USING A
 FIO "SUPER CONCENTRATE"
 SAMPLE

2. TESTS REQUESTED

To determine the bactericidal efficacy of the sample subject to the following conditions:

- a) Dilution of sample: 0,2%
- b) Diluent: Sterile hard water with a hardness lower than 300 mg/kg of CaCO₃
 clean conditions: 0,3g/ℓ
 dirty conditions: 1% skimmed milk
- c) Temperature of test: 20°C and 10°C
- d) Test organisms: *P.aeruginosa* ATCC 15442
E.coli ATCC 10536
S.aureus ATCC 6538
Enterococcus hirae ATCC 8043
- e) Test organism load: Approximately 10⁸ organisms per 10 mℓ of test solution;
- f) Exposure time: 5 min. and 1 min.
- g) Inactivator: A suitable fluid inactivator
- h) Counting medium: Nutrient and Brain Heart agar

3. METHOD/.....

1 Dr Lategan Road Groenkloof, Private Bag X191 Pretoria 0001, Tel: +27 (012) 428-7911, Fax: +27 (012) 344-1568.

This test was performed by Testing and Conformity Services (Pty) Ltd, an affiliate of the SABS.
 This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested.
 (Refer also to the complete conditions printed on the back of the official test reports.)

SABS test report

REPORT No.

5447/1066950/S1183a

Page

2

3. METHOD OF TEST

The sample was tested in accordance with the method described in the prEN 1276:1997 for Chemical disinfectants and antiseptics- Basic bactericidal activity-Test method and requirements (clause 5) and subject to the conditions stated in Paragraph 2 above.

4. RESULTS

Bactericidal efficacy

Sample	Dilution	Condi- tions	Exposure time	Number of cfu/ml in test mixture			
				<i>P. aeruginosa</i>	<i>E. coli</i>	<i>S. aereus</i>	<i>Ent. hirae</i>
Formula 10 Super Concen- trate Batch 990207	0,2% at 20°C	Clean	5 min	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
			1 min	> 3,0x10 ³	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
		Dirty	5 min	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
			1 min	9,6x10 ²	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
Formula 10 Super Concen- trate Batch 990207	0,2% at 10°C	Clean	5 min	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
			1 min	> 3,0x10 ³	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
		Dirty	5 min	3,02x10 ³	< 1,5x10 ²	< 1,5x10 ²	< 1,5x10 ²
			1 min	> 3,0x10 ³	7,1x10 ³	< 1,5x10 ²	< 1,5x10 ²

Sample	Dilution	Condition	Contact time	Reduction in viability			
				<i>P. aeruginosa</i>	<i>E. coli</i>	<i>S. aureus</i>	<i>Ent. hirae</i>
Formula 10 Super concentrate Batch 990207	0,2% at 20°C	Clean	5 min	> 5	> 5	> 5	> 5
			1 min	< 5	> 5	> 5	> 5
		Dirty	5 min	> 5	> 5	> 5	> 5
			1 min	5,6x10 ³	> 5	> 5	> 5
	0,2% at 10°C	Clean	5 min	> 5	> 5	> 5	> 5
			1 min	< 5	> 5	> 5	> 5
		Dirty	5 min	1,78x10 ⁴	> 5	> 5	> 5
			1 min	< 5	1,4x10 ³	> 5	> 5

REMARK:

When tested in accordance with clause 5, the sample shall demonstrate at least a 10⁵ or more reduction in viability.

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SABS test report

REPORT No.

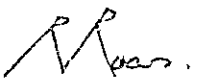
5447/1066950/S1183a

Page

3

Test Organisms	Validation test			Bacterial test suspension
	Bacterial Suspension	Neutralizer toxicity control	Dilution neutralization control	
<i>P.aeruginosa</i>	$5,4 \times 10^3$	$4,6 \times 10^2$	$4,0 \times 10^2$	$5,4 \times 10^7$
<i>E.coli</i>	$1,0 \times 10^3$	$6,8 \times 10^2$	$6,1 \times 10^2$	$1,0 \times 10^8$
<i>S.aureus</i>	$3,9 \times 10^3$	$2,3 \times 10^3$	$2,1 \times 10^3$	$3,9 \times 10^8$
<i>Ent.hirae</i>	$1,3 \times 10^3$	$8,2 \times 10^2$	$9,4 \times 10^2$	$1,3 \times 10^8$

FAX NO.(011) 803-4022


 R van Rensburg
 MICROBIOLOGY DEPARTMENT

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