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TEST REPORT

SABS

MICROBIOLOGY DEPARTMENT 7218

U verw/Your ref: O/N S060

Ons verw/Our ref: 17/37/9

Navrae/Enquiries: 428-6087

Datum/Date: 2005-02-04

1733791/04-2186/X 31628c

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Health & Hygiene
Attention: Mr JP Temperley
P.O.Box 347
SUNNINGHILL
2157

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

DISINFECTANT EFFICACY TEST – EN 13697-2001

1. DESCRIPTION OF SAMPLE

One sample labelled "F10SC B/N 211" was received on 6/7/2004 and tested on 9/7/2004.

2. TESTS REQUESTED

Fungicidal activity of the chemical disinfectant using *Aspergillus niger* spores as test organism.

3. METHOD OF TEST

The sample was tested in accordance with EN 13697 - 2001 Specification for Disinfectants.

3.1 A test suspension of fungal spores in solution of interfering substance, simulating clean conditions, added to a preparation sample of the product under test diluted in hard water.

3.2 The mixture is maintained at 20°C ± 1°C for 5 minutes and 15 minutes ± 10 seconds.

3.3 At this contact time an aliquot was taken and the fungicidal action is immediately neutralized using a suitable neutralizer.

3.4 Test spore suspension *Aspergillus niger* ATCC 16404.

Spore suspension requirement:
The number of spores in the test suspension adjusted to $1,5 \times 10^6$ to 5×10^6 cfu/ml .
Suspension maintained in a water bath at 20°C ± 1°C (use within 2 hours)

4 Results / ....

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.)

3.5 Hard Water – anhydrous magnesium chloride, anhydrous calcium chloride and sodium bicarbonate.
3.6 Interfering substance – 1% Skimmed milk

4. RESULTS

Fungicidal activity of F10SC (B/N 211)

Sample	Dilution	Contact time	Direct	*Aspergillus niger* spores		
				cfu/ml duplicates		Percentage kill
F10SC B/N 211 (X31628)	1/50	5min	Disc	111	64	99,99
	1/50	15 min	Disc	77	65	99,99
	1/100	5 min	Disc	88	69	99,99
	1/100	15min	Disc	60	67	99,99

Spore suspension:

Initial spore suspension count – $1{,}6 \times 10^{6}$ cfu /ml (within the requirement)

Conclusion:
Quantitative non porous surface test (disc) for the evaluation of fungicidal activity of chemical disinfectants used in the food , industrial, domestic and institutional areas – without mechanical action for which a 10^{3} (99,99%) or more reduction in viability is demonstrated under required test conditions.

MA KERR
TEST OFFICER: MICROBIOLOGY

RA ROOS
MANAGER: MICROBIOLOGY

Fax: (011) 474 1670

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