

Test report number 1803347 according to DIN EN 13697/2001
Quantitative surface test for the evaluation of fungicidal activity of chemical desinfectants used in food,
industrial, domestic and institutional areas
(dirty conditions)

This test report substitutes test report 0735138-4

Identification of the test laboratory: SGS Gemany GmbH
 Laboratory Services Hamburg
 Weidenbaumsweg 137, 21035 Hamburg

Identification of the product:

Product name: **Bacoban® WB**
 Batch number: 20070601-WDM-konz-krei
 Manufacturer: Ropimex R. Opel GmbH, Bildstocker Str. 12, 66538
 Neunkirchen
 Date of delivery: 2007-06-04
 Storage conditions: room-temperature
 Active ingredient(s): not indicated

Test method and its validation:

Method: Dilution neutralization method
 Neutraliser: 3% Tween 80 + 3% Saponin + 0,1% Histidin + 0,3% Lecithin
 + 0,5% Na-thiosulfat diluted in NaCl-solution
 Information about sterilization: 15 min. 121°C +/- 1°C

Test conditions:

Period of analysis: 31.08.2007 - 03.09.2007
 Appearance of the product: product: light yellow / dilutions: light and clear
 Test concentration (vol.-%) 1,0%; 0,75%; 0,50%
 Diluent of the Dilution: water standardised hardness (pH 7,0 +/- 0,2)
 contact time: 15 min.
 Test temperature: room-temperature (23°C)
 Interfering substances: 0,3% bovine albumin (dirty conditions)
 Referenced strain: *Candida albicans* ATCC 10231
 Temperature of incubation: 30 ± 1 °C
 Counting method: pour plate

Test results: see table 1

Conclusion:

According to EN 13697/2001 the product Bacoban® WB shows a fungicidal activity against the test strain stated above at 0,5 vol.-% concentration in a dilution with hard water after 15 minutes under dirty conditions (required reduction: log 3).

Hamburg, 10.7.13

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Test report number 1803347 according to DIN EN 13697/2001 - Tabelle 1
(dirty conditions)

Test strain	Test strain suspension N (see 5.4.1.3)			Validation test NT (see A.5)				NC (see A.5)				Water control Nc (see 5.5.3)				Test with a concentration of vol-%									
																1,00		0,75		0,50					
Candida albicans ATCC 10231	10 ⁻⁵	178	188	10 ⁻³	40	41	10 ⁻³	42	34	10 ⁻⁴	49	40	10 ⁻³	10 ⁻⁰	0	0	10 ⁻⁰	0	0	10 ⁻⁰	0	0			
	10 ⁻⁶	26	20	10 ⁻⁴	7	2	10 ⁻⁴	4	4	10 ⁻⁵	0	0	10 ⁻⁵	10 ⁻¹	0	0	10 ⁻¹	0	0	10 ⁻¹	0	0			
	N	5,97		10 ⁻⁵	0	0	10 ⁻⁵	0	0	10 ⁻⁶	0	0	10 ⁻⁶	10 ⁻²	0	0	10 ⁻²	0	0	10 ⁻²	0	0			
				NT	5,61		NC	5,57		NC	5,65		0	Nd	<0,10	Nd	<0,10	Nd	<0,10	Nd	<0,10	<0,10			
										Nts	5,65		0	Nts	0	Nts	0	Nts	0	Nts	0	0			
										Nts	>300		ME	>5,55	ME	>5,55	ME	>5,55	ME	>5,55	>5,55	>5,55			