

Test report number 1803345 according to DIN EN 13697/2001
Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants used in food,
industrial, domestic and institutional areas
(dirty conditions)

This test report substitutes test report 0735138-3

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: 17.08.07-30.08.07
 Appearance of the product: product: light yellow / dilutions: light and clear
 Test concentration (vol.-%) 1,0%; 0,75%; 0,5%
 Diluent of the Dilution: water standardised hardness (pH 7,0 +/- 0,2)
 contact time: 15 min.
 Test temperature: room-temperature (24°C)
 Interfering substances: 0,3% bovine albumin (dirty conditions)
 Referenced strain: *Pseudomonas aeruginosa* ATCC 15442
Staphylococcus aureus ATCC 6538
Enterococcus hirae ATCC 10541
Escherichia coli ATCC 10536
 Temperature of incubation: 37 ± 1 °C
 Counting method: pour plate

Test results: see table 1

Conclusion:

According to EN 13697/2001 the product Bacoban® WB shows a bactericidal activity against the test strains stated above at 0,5 vol.-% concentration in a dilution with hard water after 15 minutes under dirty conditions (required reduction: log 4).

Hamburg, 10.7.13

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Die Prüfergebnisse beziehen sich auf die untersuchten Proben. Die Veröffentlichung und Vervielfältigung unserer Prüfberichte und Gutachten zu Werbezwecken sowie deren auszugsweise Verwendung in sonstigen Fällen bedürfen unserer schriftlichen Genehmigung. Alle Dienstleistungen werden auf Grundlage der anwendbaren Allgemeinen Geschäftsbedingungen der SGS, die auf Anfrage zur Verfügung gestellt werden, erbracht.
 Member of the SGS Group (Société Générale de Surveillance)

Test report number 1803345 according to DIN EN 13697/2001 - tabel 1
(dirty conditions)

Test strain	Bacterial suspension N (see 5.4.1.3)	Validation test				Water control Nc (see 5.5.3)	Test with a concentration of vol.-%								
		NT (see A.5)		NC (see A.5)			0,5		0,75		1,00				
		contact time 15 min													
<i>Pseudomonas aeruginosa</i> ATCC 15442	10 ⁶	>300	>300	10 ⁻³	>300	>300	10 ⁻⁴	>300	>300	10 ⁰	0	0	10 ⁰	0	0
	10 ⁷	34	34	10 ⁻⁴	66	69	10 ⁻⁴	50	52	10 ⁻⁵	0	0	10 ⁻¹	0	0
	N	7,23	7	10 ⁻⁵	6	7	10 ⁻⁵	3	2	10 ⁻⁶	<0,10	Nd	<0,10	Nd	<0,10
				NC	6,83	NC	NC	6,71		Nc	6,88	0	Nts	0	Nts
										Nts	>300	>6,78	ME	>6,78	>6,78
<i>Staphylococcus aureus</i> ATCC 6538	10 ⁶	176	196	10 ⁻³	54	71	10 ⁻³	>300	>300	10 ⁻³	>300	>300	10 ⁰	0	0
	10 ⁷	21	23	10 ⁻⁴	54	71	10 ⁻⁴	53	50	10 ⁻⁴	58	59	10 ⁻¹	0	0
	N	6,98	6	10 ⁻⁵	6	6	10 ⁻⁵	8	12	10 ⁻⁵	4	10	10 ⁻²	0	0
				NC	6,80	NC	NC	6,71		10 ⁻⁶	0	0	Nd	<0,10	Nd
										Nc	6,77	0	Nts	0	Nts
<i>Escherichia coli</i> ATCC 10536	10 ⁶	>300	>300	10 ⁻³	>300	>300	10 ⁻³	>300	>300	10 ⁻³	>300	>300	10 ⁰	0	0
	10 ⁷	50	48	10 ⁻⁴	160	169	10 ⁻⁴	145	167	10 ⁻⁴	187	152	10 ⁻¹	0	0
	N	7,39	21	10 ⁻⁵	21	25	10 ⁻⁵	19	24	10 ⁻⁵	24	19	10 ⁻²	0	0
				NC	7,23	NC	NC	7,21		10 ⁻⁶	2	5	Nd	<0,10	Nd
										Nc	7,24	0	Nts	0	Nts
<i>Enterococcus hirae</i> ATCC 10541	10 ⁶	>300	>300	10 ⁻³	>300	>300	10 ⁻³	>300	>300	10 ⁻³	>300	>300	10 ⁰	0	0
	10 ⁷	46	53	10 ⁻⁴	82	68	10 ⁻⁴	46	79	10 ⁻⁴	13	12	10 ⁻¹	0	0
	N	7,40	3	10 ⁻⁵	3	4	10 ⁻⁵	5	13	10 ⁻⁵	0	0	10 ⁻²	0	0
				NC	6,88	NC	NC	6,80		10 ⁻⁶	0	0	Nd	<0,10	Nd
										Nc	6,00	0	Nts	0	Nts
									Nts	>300	>5,99	ME	>5,99	>5,99	