



TEST REPORT OO2072

SMT LABS
4 Anjou Street
Bayswater
Bloemfontein
9301

Report Date: 28/04/2020

EN 1276, BACTERICIDAL ACTIVITY

(SMT-TM-17: Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics)

Client details:

Client: Greenfuel Zimbabwe

Identification of sample: OO2072

Client reference / Order number: N/A

Address: PO Box 418, Banbury Cross, 2164

E-mail address: info@willowsoaps.co.za

Telephone number: Not provided

Product details:

Name of the product: SAnitizer

Batch number and Expiry date: Not provided

Manufacturer: Greenfuel Zimbabwe

Supplier: Greenfuel Zimbabwe

Storage conditions (temp. and other): Not provided

Appearance of the product: Blue liquid

Active substance(s) and their concentration(s): Ethanol (70%)

Product dilutions recommended by the manufacturer for use: Neat

Period of testing:

Date of delivery of the product: 24/04/2020

Date of tests: 26/04/2020

NOTES:

This test report applies only to the samples tested

Cfu: Colony Forming Units

ND: Not Detected

NA: Not applicable

* Not SANAS Accredited tests and are not included in the SANAS Schedule of Accreditation for this laboratory

* * Opinions and interpretations expressed herein are outside the scope of SANAS Accreditation



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Experimental conditions:

Product diluent: Water

Concentrations of the product tested: Neat

Contact time: 1 min

Obligatory conditions:

Test temperature: 20 °C

Interfering substance: Clean and Dirty Conditions

Incubation temperature: 37°C

Test organisms: *Staphylococcus aureus* ATCC 6538

Pseudomonas aeruginosa ATCC 15442

Enterococcus hirae ATCC 10541

Escherichia coli ATCC 10536

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Results

Test organism: *Escherichia coli*

Test Product: OO2072

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Clean Condition	1.15 x 10 ⁵	5.06	ND	-	> 5 log

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Dirty Condition	1.71 x 10 ⁵	5.23	ND	-	> 5 log

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Results:

Test organism: *Staphylococcus aureus*

Test Product: OO2072

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Clean Condition	1.18 x 10 ⁵	5.07	ND	-	> 5 log

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Dirty Condition	1.72 x 10 ⁵	5.23	ND	-	> 5 log

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TEST REPORT OO2072

Results:

Test organism: *Enterococcus hirae*

Test Product: OO2072

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Clean Condition	1.06 x 10 ⁵	5.02	ND	-	> 5 log

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Dirty Condition	1.34 x 10 ⁵	5.13	ND	-	> 5 log

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TEST REPORT OO2072

Results:

Test organism: *Pseudomonas aeruginosa*

Test Product: OO2072

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Clean Condition	4.73×10^5	5.67	ND	-	> 5 log

Dilution	Contact time	Interfering substance	Initial count of Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log reduction
			CFU/ml	Log ₁₀	CFU/ml	Log ₁₀	
Neat	1 min	Dirty Condition	6.85×10^5	5.84	ND	-	> 5 log

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Special remarks regarding the results:

All controls and validations were within the basic limits. No precipitate formed during the test procedure (test mixtures were homogeneous).

Conclusion:

The product, SANitizer, did achieve a 5-log reduction towards all obligatory organisms tested under clean and dirty conditions when used as is (neat) at a contact time of 1 minute. The product does therefore pass the requirements of the EN 1276 standard when used as is (neat) at a contact time of 1 minute.

SMT LABS
Technical Signatory (Quality Manager)
C.W. Swart

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