



## TEST REPORT COO2001

SMT LABS  
4 Anjou Street  
Bayswater  
Bloemfontein  
9301

**Report Date:** 18/05/2020

### EN 1276, BACTERICIDAL ACTIVITY

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

#### Client details:

**Client:** Scientific Sanitation Solutions

**Identification of sample:** COO2001

**Client reference / Order number:** N/A

**Address:** 323 Lynnwood Road, Menlo Park, Pretoria

**E-mail address:** [victor@scisan.co.za](mailto:victor@scisan.co.za)

**Telephone number:** 061 471 6109

#### Product details:

**Name of the product:** SANI-99

**Batch number and Expiry date:** 5/20, 05/2022

**Manufacturer:** Scientific Sanitation Solutions

**Supplier:** Scientific Sanitation Solutions

**Storage conditions (temp. and other):** Store in a cool and dry place. Protect from sources of heat.

**Appearance of the product:** White salt, free flowing and mostly odourless in 1 L of water at 6g dosage.

**Active substance(s) and their concentration(s):** X

**Product dilutions recommended by the manufacturer for use:** 6g/1L

#### Period of testing:

Date of delivery of the product: 15/05/2020

**Date of tests:** 15/05/2020

#### 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



## TEST REPORT COO2001

### Experimental conditions:

**Product diluent:** Hard Water

**Concentrations of the product tested:** 6g/L

**Contact time:** 10sec, 30sec, 60 sec

### 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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## TEST REPORT COO2001

### Results

**Test organism:** *Escherichia coli*

**Test Product:** COO2001

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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Clean Condition	1.10 x 10 <sup>5</sup>	5.04	ND	-	> 5 log
0.6%	30 sec	Clean Condition	1.10 x 10 <sup>5</sup>	5.04	ND	-	> 5 log
0.6%	60 sec	Clean Condition	1.10 x 10 <sup>5</sup>	5.04	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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Dirty Condition	1.41 x 10 <sup>5</sup>	5.15	4.00 x 10 <sup>2</sup>	2.60	< 5 log
0.6%	30 sec	Dirty Condition	1.41 x 10 <sup>5</sup>	5.15	ND	-	> 5 log
0.6%	60 sec	Dirty Condition	1.41 x 10 <sup>5</sup>	5.15	ND	-	> 5 log

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## TEST REPORT COO2001

### Results:

**Test organism:** *Staphylococcus aureus*

**Test Product:** COO2001

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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Clean Condition	1.13 x 10 <sup>5</sup>	5.05	ND	-	> 5 log
0.6%	30 sec	Clean Condition	1.13 x 10 <sup>5</sup>	5.05	ND	-	> 5 log
0.6%	60 sec	Clean Condition	1.13 x 10 <sup>5</sup>	5.05	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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Dirty Condition	1.31 x 10 <sup>5</sup>	5.12	ND	-	> 5 log
0.6%	30 sec	Dirty Condition	1.31 x 10 <sup>5</sup>	5.12	ND	-	> 5 log
0.6%	60 sec	Dirty Condition	1.31 x 10 <sup>5</sup>	5.12	ND	-	> 5 log

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**TEST REPORT  
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**Results:**

**Test organism:** *Enterococcus hirae*

**Test Product:** COO2001

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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Clean Condition	1.26 x 10 <sup>5</sup>	5.10	2.50 x 10 <sup>1</sup>	1.40	< 5 log
0.6%	30 sec	Clean Condition	1.26 x 10 <sup>5</sup>	5.10	ND	-	> 5 log
0.6%	60 sec	Clean Condition	1.26 x 10 <sup>5</sup>	5.10	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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Dirty Condition	1.68 x 10 <sup>5</sup>	5.22	4.09 x 10 <sup>3</sup>	3.61	< 5 log
0.6%	30 sec	Dirty Condition	1.68 x 10 <sup>5</sup>	5.22	ND	-	> 5 log
0.6%	60 sec	Dirty Condition	1.68 x 10 <sup>5</sup>	5.22	ND	-	> 5 log

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**TEST REPORT  
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**Results:**

**Test organism:** *Pseudomonas aeruginosa*

**Test Product:** COO2001

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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Clean Condition	1.14 x 10 <sup>5</sup>	5.05	ND	-	> 5 log
0.6%	30 sec	Clean Condition	1.14 x 10 <sup>5</sup>	5.05	ND	-	> 5 log
0.6%	60 sec	Clean Condition	1.14 x 10 <sup>5</sup>	5.05	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 <sub>10</sub>	CFU/ml	Log <sub>10</sub>	
0.6%	10 sec	Dirty Condition	1.76 x 10 <sup>5</sup>	5.25	2.70 x 10 <sup>2</sup>	2.43	< 5 log
0.6%	30 sec	Dirty Condition	1.76 x 10 <sup>5</sup>	5.25	ND	-	> 5 log
0.6%	60 sec	Dirty Condition	1.76 x 10 <sup>5</sup>	5.25	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, SANI-99, did achieve a 5-log reduction towards all obligatory organisms tested under clean and dirty conditions when used at the dilution recommended by the manufacturer (6g/L) for a contact time of 30 seconds and 60 seconds. The product does therefore pass the requirements of the EN 1276 / SANS 51276 standard when used at the recommended dilution (6g/L) under clean and dirty conditions for a contact time of either 30 seconds or 60 seconds.

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

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