Chemila, spol. s r.o., Za Dráhou 4386/3, Hodonín 69501, Phone +420518340919, chemila@chemila.cz
Chemical and Microbiological Laboratory, Testing Laboratory No. 1273 certified by Czech Accreditation Institute according to ČSN EN ISO/IEC 17025:2018.

CONFIDENTIAL

Copy No.: 1
Issue No.: 1

Test report No. S148-1/2021

DETERMINATION OF BACTERICIDAL (EN 16615:2015) AND YEASTICIDAL (EN 16615:2015) ACTIVITY OF THE PRODUCT **GLOBACID SF 3% / GLOBACID Ready To Use**

Sample ID: S148/2021
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Client: Goodpoint Chemicals Ltd, Urda tee 3, Jälgimäe, Saku vald, Harjumaa, Estonia 76404
Producer: Goodpoint Chemicals Ltd, Urda tee 3, Jälgimäe, Saku vald, Harjumaa, Estonia 76404
Sampling point: Goodpoint Chemicals Ltd, Urda tee 3, Jälgimäe, Saku vald, Harjumaa, Estonia 76404

Page: 1
From pages: 9

Incoming date:
21.5.2021

Delivery date:
5.10.2021

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

Subject of testing:
Determination of bactericidal and yeasticidal activity of the product.

Identification of the sample:

Name of the product:	**GLOBACID SF 3% / GLOBACID Ready To Use**
Batch number:	052023L
Date of manufacture:	05.2021
Expiry date:	05.2024
Manufacturer:	Goodpoint Chemicals Ltd, Urda tee 3, Jälgimäe, Saku vald, Harjumaa, Estonia 76404
Incoming date:	21.5.2021
Storage conditions:	room temperature

Active compounds:
CAS 2372-82-9 N-(3-aminopropyl)-N-dodecylpropane – 1,3- diamine < 1%
CAS 94667-33-1 N,N-Didecyl-N-methylpoly(oxyethylene)ammonium Propionate < 1%

Experimental conditions: **Testing of disinfecting efficiency of chemical disinfecting and antiseptic agents on carriers**
SOP-M-22-12 (EN 16615:2015)

Period of analysis:	7.9. – 9.9.2021 (bacteria), 6.9. – 9.9.2021 (*Candida albicans*)
Lab temperature:	20 °C ± 2.5 °C
Temperature of media:	20 °C ± 1 °C
Test method:	dilution neutralization method
Neutralization medium:	Dey-Engley Neutralizing Broth M 1062
Product diluent:	distilled water
Appearance of the product:	colourless liquid
Water control:	distilled water + polysorbate 80
Test concentration:	1:3 (wet wipes with product test solution with the concentration 25%)
Contact time:	1 min
Interfering substances:	0.3 g/l BSA (clean conditions)
Test organisms:	*Pseudomonas aeruginosa* ATCC 15442 *Staphylococcus aureus* ATCC 6538 *Enterococcus hirae* ATCC 10541
Incubation conditions:	37 °C ± 1 °C, 24 hours and additional period of 24 hours
Test organism:	*Candida albicans* ATCC 10231
Incubation conditions:	30 °C ± 1 °C, 48 hours and additional period of 24 or 48 hours
Test surface:	PVC with PUR coating, width 2.5 mm, 20 cm x 50 cm. The surface is cleaned by 70% n-propanol. After drying draw 4 squares 5 cm x 5 cm 5 cm apart, mark them as test fields 1 to 4. The drying controls D_{C0} and D_{Ct} are performed on smaller surface (7 cm x 13 cm, 2 squares 5 cm x 5 cm).
Wipe:	17.5 cm x 28 cm, 55% cellulose, 45% polyethylenterephtalate (PET), the wipe is used only once. 30 minutes before testing put the wipe in Petri dish with 16 ml of the distilled water and polysorbate 80 (wipes for control test). The wet wipe is weighed before and after testing. 30 minutes before testing put the wipe in Petri dish with 16 ml of the product test solution (wipes for test with product). The wet wipe is weighed before and after testing.

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

Test weight:	granite, lenght 11.9 cm, width 8.2 cm, height 8.4 cm, weight 2.4 kg
Tampons:	sterile, length 150 mm, disposable, tip made of pure cotton without compounds inhibiting or supporting the effect of product solution or growth of microorganisms, producer F.L. Medical
Parafilm:	Parafilm® M, 10.2 cm x 38 m, producer Brand disposable, protecting the horisontal surface and vertical surfaces before contamination during wiping.

Test procedure:

1. Preparation of the test suspension
2. Determination of CFU in the test suspension
3. Quantitative test on carriers according to EN 16615:2015
4. Incubation and calculation
5. Expression and interpretation of results

Note:
Bactericidal activity – the capability of a product to produce a reduction in the number of viable bacterial cells of relevant organisms under defined conditions on nonporous surface in the field 1 by at least a 5 lg reduction (10^5).
$R = D_{Ct} / N_a$ or $\lg R = \lg D_{Ct} - \lg N_a$ the reduction in viability, the drying time: 30 min – 40 min

The standard:
EN 16615:2015 Chemical disinfectants and antiseptics – Quantitative test method for the evaluation of bactericidal and yeasticidal activity on non-porous surfaces with mechanical action employing wipes in the medical area (4-field test) – Test method and requirements (phase 2, step 2) April 2015

The Number of CFU in the tested product: 0 CFU/ml

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

1. Testing the efficacy of chemical disinfectant **GLOBACID SF 3% / GLOBACID Ready To Use** on *Pseudomonas aeruginosa* ATCC 15442 on non-porous surfaces

Tab No. 1.1 Verification of methodology, temperature 20°C, clean conditions

Validation of suspension (N_{V0})				Neutralizer toxicity control (B)				Method validation (C), product conc. 1:3 (liquid)			
V_{c1}	72	$\Phi_{Nvo} = 60.5$		V_{c1}	43	$\Phi_B = 54.5$		V_{c1}	63	$\Phi_C = 53$	
V_{c2}	49			V_{c2}	66			V_{c2}	43		
$30 \leq \Phi_{Nvo} \leq 160$				$\Phi_B \geq 0.5\ \Phi_{Nvo}$				$\Phi_C \geq 0.5\ \Phi_{Nvo}$			
x	yes		no	x	yes		no	x	yes		no

Tab No. 1.2 Test suspension

Test suspension N	Dilution	V_{c1}	V_{c1}	Test suspension N_0			
$\Phi = 275 \times 10^7 = \lg 9.44$	10^{-7}	286	264	$N_0 = N/20$, $\lg N_0 = 8.14$			
$9.17 \leq \lg N \leq 9.70$	10^{-8}	28	27	$7.88 \leq \lg N_0 \leq 8.40$			
				x	yes		no

Tab No. 1.2.1 Drying in time 0

Drying control (D_{C0})	Dilution	V_{c1}	V_{c1}	$\lg D_{C0} = \lg (\Phi \times 5 \times 10^5) = 7.46$			
	10^{-4}	>330	>330	$6.88 \leq \lg D_{C0} \leq 8.40$			
	10^{-5}	46	70				
				x	yes		no

Tab No. 1.2.2 Drying in time t

Drying control (D_{Ct})	Dilution	V_{c1}	V_{c1}	$\lg D_{Ct} = \lg (\Phi \times 5 \times 10^5) = 7.36$			
	10^{-4}	>330	>330	$6.88 \leq \lg D_{Ct} \leq 8.40$			
	10^{-5}	52	40				
				x	yes		no

Tab No. 1.3.1 Test with water N_w – the effect of water (Wipe with distilled water + polysorbate 80) on *Pseudomonas aeruginosa* ATCC 15442 on non-porous surfaces, clean conditions

Field / contact time (min)	Dilution after test procedure	V_c	$N_W = (\Phi \times 5)$	N_W requirement >10 cfu/25 cm²
2 / 1	10^{-1}	53	2650	yes
3 / 1	10^{-1}	44	2200	yes
4 / 1	10^{-1}	28	1400	yes

Tab No. 1.3.2 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Pseudomonas aeruginosa* ATCC 15442 on non-porous surfaces, clean conditions, field 2-4

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_c	$N_a = (\Phi \times 5)$	N_a requirement <50 cfu/25 cm²
1:3 / 1 / clean / 2	10^0	0	<14	yes
1:3 / 1 / clean / 3	10^0	0	<14	yes
1:3 / 1 / clean / 4	10^0	0	<14	yes

Tab No. 1.3.3 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Pseudomonas aeruginosa* ATCC 15442 on non-porous surfaces, clean conditions, field 1

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_{c1}	V_{c2}	$\lg N_a (\Phi \times 5)$	**lg R ($\lg D_{Ct} = 7.36$)**
1:3 / 1 / clean / 1	10^0	19	17	1.95	**5.41**

Tab No. 1.4 Test – weight of wipes before and after testing

Weight of wipes	Weight before testing (g)	Weight after testing (g)	Difference (g)
GLOBACID SF 3% / GLOBACID Ready To Use (Wipe with product test solution 1:3)	19.23	18.13	1.10
Wipe with distilled water + polysorbate 80	18.91	18.21	0.70

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

2. Testing the efficacy of chemical disinfectant **GLOBACID SF 3% / GLOBACID Ready To Use** on *Staphylococcus aureus* ATCC 6538 on non-porous surfaces

Tab No. 2.1 Verification of methodology, temperature 20°C, clean conditions

Validation of suspension (N_{V0})				Neutralizer toxicity control (B)				Method validation (C), product conc. 1:3 (liquid)			
V_{c1}	52	$\Phi_{Nvo} = 60.5$		V_{c1}	53	$\Phi_B = 59$		V_{c1}	67	$\Phi_C = 59$	
V_{c2}	69			V_{c2}	65			V_{c2}	51		
$30 \leq \Phi_{Nvo} \leq 160$				$\Phi_B \geq 0.5\ \Phi_{Nvo}$				$\Phi_C \geq 0.5\ \Phi_{Nvo}$			
x	yes		no	x	yes		no	x	yes		no

Tab No. 2.2 Test suspension

Test suspension N $\Phi = 252 \times 10^7 = \lg 9.40$ $9.17 \leq \lg N \leq 9.70$	Dilution	V_{c1}	V_{c1}	Test suspension N_0 $N_0 = N/20$, $\lg N_0 = 8.10$ $7.88 \leq \lg N_0 \leq 8.40$			
	10^{-7}	234	268				
	10^{-8}	25	27				
				x	yes		no

Tab No. 2.2.1 Drying in time 0

Drying control (D_{C0})	Dilution	V_{c1}	V_{c1}	$\lg D_{C0} = \lg (\Phi \times 5 \times 10^5) = 7.69$ $6.88 \leq \lg D_{C0} \leq 8.40$			
	10^{-4}	>330	>330				
	10^{-5}	76	120				
				x	yes		no

Tab No. 2.2.2 Drying in time t

Drying control (D_{Ct})	Dilution	V_{c1}	V_{c1}	$\lg D_{Ct} = \lg (\Phi \times 5 \times 10^5) = 7.68$ $6.88 \leq \lg D_{Ct} \leq 8.40$			
	10^{-4}	>330	>330				
	10^{-5}	79	112				
				x	yes		no

Tab No. 2.3.1 Test with water N_w – the effect of water (Wipe with distilled water + polysorbate 80) on *Staphylococcus aureus* ATCC 6538 on non-porous surfaces, clean conditions

Field / contact time (min)	Dilution after test procedure	V_c	$N_W = (\Phi \times 5)$	N_W requirement >10 cfu/25 cm²
2 / 1	10^{-2}	107	53500	yes
3 / 1	10^{-2}	95	47500	yes
4 / 1	10^{-2}	44	22000	yes

Tab No. 2.3.2 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Staphylococcus aureus* ATCC 6538 on non-porous surfaces, clean conditions, field 2-4

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_c	$N_a = (\Phi \times 5)$	N_a requirement <50 cfu/25 cm²
1:3 / 1 / clean / 2	10^0	0	<14	yes
1:3 / 1 / clean / 3	10^0	0	<14	yes
1:3 / 1 / clean / 4	10^0	0	<14	yes

Tab No. 2.3.3 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Staphylococcus aureus* ATCC 6538 on non-porous surfaces, clean conditions, field 1

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_{c1}	V_{c2}	$\lg N_a (\Phi \times 5)$	**lg R ($\lg D_{Ct} = 7.68$)**
1:3 / 1 / clean / 1	10^0	33	37	2.24	**5.44**

Tab No. 2.4 Test – weight of wipes before and after testing

Weight of wipes	Weight before testing (g)	Weight after testing (g)	Difference (g)
GLOBACID SF 3% / GLOBACID Ready To Use (Wipe with product test solution 1:3)	18.89	18.12	0.77
Wipe with distilled water + polysorbate 80	19.45	17.75	1.70

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

3. Testing the efficacy of chemical disinfectant **GLOBACID SF 3% / GLOBACID Ready To Use** on *Enterococcus hirae* ATCC 10541 on non-porous surfaces

Tab No. 3.1 Verification of methodology, temperature 20°C, clean conditions

Validation of suspension (N_{V0})			Neutralizer toxicity control (B)			Method validation (C), product conc. 1:3 (liquid)		
V_{c1}	37	$\Phi_{Nvo} = 51$	V_{c1}	42	$\Phi_B = 45$	V_{c1}	46	$\Phi_C = 43$
V_{c2}	65		V_{c2}	48		V_{c2}	40	
$30 \leq \Phi_{Nvo} \leq 160$			$\Phi_B \geq 0.5\ \Phi_{Nvo}$			$\Phi_C \geq 0.5\ \Phi_{Nvo}$		
x	yes	no	x	yes	no	x	yes	no

Tab No. 3.2 Test suspension

Test suspension N	Dilution	V_{c1}	V_{c1}	Test suspension N_0
$\Phi = 246 \times 10^7 = \lg 9.39$	10^{-7}	262	231	$N_0 = N/20$, $\lg N_0 = 8.09$
$9.17 \leq \lg N \leq 9.70$	10^{-8}	25	24	$7.88 \leq \lg N_0 \leq 8.40$
				x yes / no

Tab No. 3.2.1 Drying in time 0

Drying control (D_{C0})	Dilution	V_{c1}	V_{c1}	$\lg D_{C0} = \lg (\Phi \times 5 \times 10^5) = 7.40$
	10^{-4}	>330	>330	$6.88 \leq \lg D_{C0} \leq 8.40$
	10^{-5}	48	53	
				x yes / no

Tab No. 3.2.2 Drying in time t

Drying control (D_{Ct})	Dilution	V_{c1}	V_{c1}	$\lg D_{Ct} = \lg (\Phi \times 5 \times 10^5) = 7.36$
	10^{-4}	>330	>330	$6.88 \leq \lg D_{Ct} \leq 8.40$
	10^{-5}	47	45	
				x yes / no

Tab No. 3.3.1 Test with water N_w – the effect of water (Wipe with distilled water + polysorbate 80) on *Enterococcus hirae* ATCC 10541 on non-porous surfaces, clean conditions

Field / contact time (min)	Dilution after test procedure	V_c	$N_W = (\Phi \times 5)$	N_W requirement >10 cfu/25 cm²
2 / 1	10^{-2}	117	58500	yes
3 / 1	10^{-2}	152	76000	yes
4 / 1	10^{-2}	102	51000	yes

Tab No. 3.3.2 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Enterococcus hirae* ATCC 10541 on non-porous surfaces, clean conditions, field 2-4

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_c	$N_a = (\Phi \times 5)$	N_a requirement <50 cfu/25 cm²
1:3 / 1 / clean / 2	10^0	0	<14	yes
1:3 / 1 / clean / 3	10^0	0	<14	yes
1:3 / 1 / clean / 4	10^0	0	<14	yes

Tab No. 3.3.3 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Enterococcus hirae* ATCC 10541 on non-porous surfaces, clean conditions, field 1

Test concentration /contact time (min) /conditions / field	Dilution after test procedure	V_{c1}	V_{c2}	$\lg N_a (\Phi \times 5)$	**lg R ($\lg D_{Ct} = 7.36$)**
1:3 / 1 / clean / 1	10^0	22	21	2.03	**5.33**

Tab No. 3.4 Test – weight of wipes before and after testing

Weight of wipes	Weight before testing (g)	Weight after testing (g)	Difference (g)
GLOBACID SF 3% / GLOBACID Ready To Use (Wipe with product test solution 1:3)	19.40	18.42	0.98
Wipe with distilled water + polysorbate 80	18.92	18.00	0.92

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

4. Testing the efficacy of chemical disinfectant **GLOBACID SF 3% / GLOBACID Ready To Use** on *Candida albicans* ATCC 10231 on non-porous surfaces

Tab No. 4.1 Verification of methodology, temperature 20°C, clean conditions

Validation of suspension (N_{V0})			Neutralizer toxicity control (B)			Method validation (C), product conc. 1:3 (liquid)		
V_{c1}	38	$\Phi_{Nvo} = 41$	V_{c1}	36	$\Phi_B = 38.5$	V_{c1}	43	$\Phi_C = 39$
V_{c2}	44		V_{c2}	41		V_{c2}	35	
$30 \leq \Phi_{Nvo} \leq 160$			$\Phi_B \geq 0.5\ \Phi_{Nvo}$			$\Phi_C \geq 0.5\ \Phi_{Nvo}$		
x	yes	no	x	yes	no	x	yes	no

Tab No. 4.2 Test suspension

Test suspension N $\Phi = 163 \times 10^6 = \lg 8.21$ $8.17 \leq \lg N \leq 8.70$	Dilution	V_{c1}	V_{c1}	Test suspension N_0 $N_0 = N/20$, $\lg N_0 = 6.91$ $6.88 \leq \lg N_0 \leq 7.40$
	10^{-6}	166	159	
	10^{-7}	14	20	
				x yes no

Tab No. 4.2.1 Drying in time 0

Drying control (D_{C0})	Dilution	V_{c1}	V_{c1}	$\lg D_{C0} = \lg (\Phi \times 5 \times 10^4) = 6.63$ $5.88 \leq \lg D_{C0} \leq 7.40$
	10^{-3}	>330	>330	
	10^{-4}	102	70	
				x yes no

Tab No. 4.2.2 Drying in time t

Drying control (D_{Ct})	Dilution	V_{c1}	V_{c1}	$\lg D_{Ct} = \lg (\Phi \times 5 \times 10^4) = 6.61$ $5.88 \leq \lg D_{Ct} \leq 7.40$
	10^{-3}	>330	>330	
	10^{-4}	82	80	
				x yes no

Tab No. 4.3.1 Test with water N_w – the effect of water (Wipe with distilled water + polysorbate 80) on *Candida albicans* ATCC 10231 on non-porous surfaces, clean conditions

Field / contact time (min)	Dilution after test procedure	V_c	$N_W = (\Phi \times 5)$	N_W requirement >10 cfu/25 cm²
2 / 1	10^0	90	450	yes
3 / 1	10^0	22	110	yes
4 / 1	10^0	3	15	yes

Tab No. 4.3.2 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Candida albicans* ATCC 10231 on non-porous surfaces, clean conditions, field 2-4

Test concentration / contact time (min) / conditions / field	Dilution after test procedure	V_c	$N_a = (\Phi \times 5)$	N_a requirement <50 cfu/25 cm²
1:3 / 1 / clean / 2	10^0	0	<14	yes
1:3 / 1 / clean / 3	10^0	0	<14	yes
1:3 / 1 / clean / 4	10^0	0	<14	yes

Tab No. 4.3.3 Test – the effect of **GLOBACID SF 3% / GLOBACID Ready To Use** (Wipe with product test solution 1:3) on *Candida albicans* ATCC 10231 on non-porous surfaces, clean conditions, field 1

Test concentration / contact time (min) / conditions / field	Dilution after test procedure	V_{c1}	V_{c2}	$\lg N_a (\Phi \times 5)$	**lg R ($\lg D_{Ct} = 6.61$)**
1:3 / 1 / clean / 1	10^0	41	43	2.32	**4.29**

Tab No. 4.4 Test – weight of wipes before and after testing

Weight of wipes	Weight before testing (g)	Weight after testing (g)	Difference (g)
GLOBACID SF 3% / GLOBACID Ready To Use (Wipe with product test solution 1:3)	18.93	18.14	0.79
Wipe with distilled water + polysorbate 80	19.11	18.45	0.66

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

5. Evaluation of bactericidal activity of the product **GLOBACID SF 3% / GLOBACID Ready To Use**

Tab No. 5.1 The efficacy of chemical disinfectant **GLOBACID SF 3% / GLOBACID Ready To Use** on test strains – bactericidal and yeasticidal activity on non-porous surfaces, clean conditions, field 1

Bactericidal and yeasticidal activity of the product (EN 16615:2015)						
Strain	Test temperature [°C]	Contact time [min]	Product test concentrations	Interfering substances – conditions	lg R EN 16615:2015	**lg R**
Pseudomonas aeruginosa ATCC 15442	20	1	1:3	clean	≥ 5	**> 5**
Staphylococcus aureus ATCC 6538	20	1	1:3	clean	≥ 5	**> 5**
Enterococcus hirae ATCC 10541	20	1	1:3	clean	≥ 5	**> 5**
Candida albicans ATCC 10231	20	1	1:3	clean	≥ 4	**> 4**

Note: V_c = value is the number of cfu per ml, Φ = average V_{c1} a V_{c2} (1. + 2. duplicate V_c values), N = the number of cfu/ml in the test suspension, N_{V0} = the number of cfu/ml in the test suspension for validation, N_a = the number of bacteria per ml in the test mixture, A, B, C = the number of bacteria per ml in control tests (A – experimental conditions validation, B – neutralizer toxicity validation, C – method validation R = D_{Ct}/ N_a or lg R = lg D_{Ct} – lg N_a the reduction in viability

Prepared by: Hana Konevalíková, Lab Technician

CONFIDENTIAL

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: S148/2021
Rep No: 142
Sample name: **GLOBACID SF 3% / GLOBACID Ready To Use**
Sampled: by client
Sampling point: Goodpoint Chemicals Ltd, Harjumaa, Estonia
Client: Goodpoint Chemicals Ltd, Harjumaa, Estonia

Sampling date: 14.5.2021
Sample delivered: 21.5.2021
Testing date: 16.7. – 9.9.2021
Delivered amount: 1 l
Batch No: 052023L

Interpretation:
Results of tests are in Tabs.
According to EN 16615:2015 the tested concentrated product **GLOBACID SF 3% / GLOBACID Ready To Use,** batch No. 052023L, in the concentration 1:3 (25%), diluted in distilled water, and in the contact time 1 min under clean conditions at temperature 20 °C ± 2.5 °C by the dilution neutralization method **decreased** on non-porous surfaces on field 1 the number of viable bacterial cells of *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538 and *Enterococcus hirae* ATCC 10541 by at least a 5 lg reduction.

According to EN 16615:2015 the tested concentrated product **GLOBACID SF 3% / GLOBACID Ready To Use,** batch No. 052023L, in the concentration 1:3 (25%), diluted in distilled water, and in the contact time 1 min under clean conditions at temperature 20 °C ± 2.5 °C by the dilution neutralization method **decreased** on non-porous surfaces on field 1 the number of viable vegetative yeast cells of *Candida albicans* ATCC 10231 by at least a 4 lg reduction.

Conclusion:
The product **GLOBACID SF 3% / GLOBACID Ready To Use** is capable of reducing the number of viable bacterial cells of the relevant organisms on non-porous surfaces under defined conditions (EN 16615:2015 – **GLOBACID SF 3% / GLOBACID Ready To Use**, 25%, 1 min, clean conditions, 20 °C ± 2.5 °C) to the declared values and, consequently, can be called bactericidal on non-porous surfaces.
The product **GLOBACID SF 3% / GLOBACID Ready To Use** is capable of reducing the number of viable vegetative yeast cells of the relevant organism on non-porous surfaces under defined conditions (EN 16615:2015 – **GLOBACID SF 3% / GLOBACID Ready To Use**, 25%, 1 min, clean conditions, 20 °C ± 2.5 °C) to the declared values and, consequently, can be called yeasticidal on non-porous surfaces.

Approved by: Ing. Barbora Stoklásková, Leader of Study

CONFIDENTIAL

Hodonín, 5.10.2021

TESTING LABORATORY CERTIFIED BY CZECH ACCREDITATION INSTITUTE
-1-
Chemila, spol. s.r.o.
Za Dráhou 4386/3
695 01 Hodonín
CZ
č. 1275

Ing. Jana Hitrová, Head of Laboratory