

**REPORT OF ANALYSIS No. 213654/20/JSHR**

<b>Client</b> <b>PROMEDIVET SRL</b> STR. LUNGĂ 46/G - SOVATA 545500 SOVATA		<b>Sample description (according to declaration of Client)</b> <b>PROCID</b>  <b>Lot: 9</b> <b>Cantitatea: 500 ml</b> <b>Data expirării: 25.02.2022</b> <b>Data prelevării: 30.04.2020</b> <b>Sample without any visible damages</b>	
Sample received:	2020-05-08	<b>Order of 2020-05-07</b> The samples were delivered by Client	
Analysis completed:	2020-07-08		
Report dated:	2020-07-08		

Test	Method	Unit	Result
# * Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of virucidal activity in the medical area. Test method and requirements (Phase 2/Step1) <sup>1)</sup>	UNE-EN 14476:2014 + A2:2019		1)

<sup>1)</sup> The results of the analysis in attachment No 1 to the report of analysis.

**THE END OF THE REPORT**

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager  
 Approved by: Hanna Wachowska, Laboratory Director (Approved with electronic signature)

Laboratory: Tychy 43-100, Goździków 1

The results relate to the analysed samples only. Unless otherwise specified given expanded measurement uncertainty was estimated for the coverage factor  $k=2$  at 95% confidence level. Sampling uncertainty has not been taken into consideration. Unless otherwise specified when conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019. This Report cannot be reproduced partially without a prior written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in original copy of the Report. The service confirmed by this Report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on [www.hamilton.com.pl](http://www.hamilton.com.pl)

\* Test method accredited; # Test performed by external provider



**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSR**

<b>A) IDENTIFICATION OF THE SAMPLE:</b>	
Name of the product	<b>PROCID</b>
Expiration date	Not indicated
The active substance	Glutaral, CAS : 111-30-8 and CE : 203856-5 concentration of active substance 10% (10g active substance at 100g product); Didecyldimethylammonium chloride CAS : 7173-51-5 and CE 230-5252 - concentration of active substance 3.75% (3.75g active substance at 100 product).
<b>B) TEST METHOD :</b>	
Performed in accredited subcontracted partner laboratory: Scope of Accreditation Nr 648/LE1286	<b>NF-EN-14476:2013+A2:2019 Guideline- Virucidal quantitative suspension test for chemical disinfectants and antiseptics used in human medicine. Test method and requirements (phase 2, step 1)</b>
Testing method	Procedure <b>DESIN-1078</b>
<b>C) EXPERIMENTAL CONDITIONS:</b>	
Assay period	02/06/2020 –18/06/2020
Product test concentrations (%V/V)	15%, 0,3%, 0,001%
Contact time	30 minutes
Assay temperature	37°C ± 1°C
Titration method	TCID <sub>50</sub> (Tissue culture infective dose 0,3%)
Solvent of the product used in the assay	Hard water
Aspect of the dilutions of the product	Transparent
Contact temperature	20°C ± 1°C
Procedure to stop product cytotoxicity	Molecular sieving
Procedure to stop product activity	Cooling with ice
Interfering substance	Clean conditions in the presence of bovine serum albumin 0.3 g/L
Identification of the origin of viral strains and number of passes	Poliovirus aliquot: 14/03/2018 passage 2 Adenovirus aliquot: 23/05/2019 passage 2 Norovirus aliquot: 01/08/2019 passage 2
Cell lines (name, origin, number of passes and culture medium)	Vero, ref: FTVE, working aliquot 2, passage 17 and working aliquot 3 passage 9 and 12. Raw 264.7, Public health England, working aliquot 2 passage 18 and working aliquot 3, passage 10 and 12

Date: 08.07.2020

 Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager  
 Approved by: Hanna Wachowska, Laboratory Director (*Approved with qualified electronic signature*)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSR****Validation of assay results****Poliovirus type 1 (ATCC VR-192)**

Titre of the viral suspension for the virus control (30 minutes):

- Clean conditions.....  $\log 10^{-6.40}$
- Cytotoxicity level (15%).....
- $\log 10^{-0.5}$

Maximum level of virus inactivation detectable (difference between the titre of the viral suspension and the cytotoxicity level):

- Clean conditions.....  $\log 10^{-5.90}$

**Adenovirus type 5 (ATCC VR-5)**

Titre of the viral suspension for the virus control (30 minutes):

- Clean conditions.....  $\log 10^{-5.74}$
- Cytotoxicity level (15%).....
- $\log 10^{-0.5}$

Maximum level of virus inactivation detectable (difference between the titre of the viral suspension and the cytotoxicity level):

- Clean conditions.....  $\log 10^{-5.24}$

**Murine norovirus (strain S99 Berlin)**

Titre of the viral suspension for the virus control (30 minutes):

- Clean conditions.....  $\log 10^{-5.83}$
- Cytotoxicity level (15%).....
- $\log 10^{-0.5}$

Maximum level of virus inactivation detectable (difference between the titre of the viral suspension and the cytotoxicity level):

- Clean conditions.....  $\log 10^{-5.33}$

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSR****Reference test (formaldehyde 1.4%)**

Cytotoxicity level of formaldehyde 0.7%.....	log10 <sup>-0.5</sup>
Viral quantification in the reference test (formaldehyde) after 60 minutes and with Poliovirus Type 1.....	log10 <sup>-2.91</sup>
Viral quantification in the reference test (formaldehyde) after 60 minutes and with Adenovirus Type 5 .....	log10 <sup>-1.74</sup>
Viral quantification in the reference test (formaldehyde) after 60 minutes and with Murine Norovirus .....	log10 <sup>-1.57</sup>

**Confidence interval**

Titre of virus with 95% confidence interval with Poliovirus Type 1 (30 minutes)		
○ Clean conditions .....	log 10 <sup>-6.40 ± 0.47</sup>	
Titre of virus with 95% confidence interval with Adenovirus Type 5 (30 minutes)		
○ Clean conditions .....	log 10 <sup>-5.74 ± 0.37</sup>	
Titre of virus with 95% confidence interval with Murine Norovirus (30 minutes)		
○ Clean conditions .....	log 10 <sup>-5.83 ± 0.28</sup>	
Reduction with the confidence interval of 95 % .....		See table 1.

**Sensitivity of cells to virus**

- Viral quantification of Poliovirus type 1 with cells not treated with "PROCID" disinfectant .....
- Viral quantification of Poliovirus type 1 with cells treated with the "PROCID" disinfectant.....
- Viral quantification of Adenovirus type 5 with cells not treated with "PROCID" disinfectant .....
- Viral quantification of Adenovirus type 5 with cells treated with the "PROCID" disinfectant.....

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSR**

- Viral quantification of Murine Norovirus with cells not treated with "PROCID" disinfectant .....log<sub>10</sub><sup>-5.91</sup>
- Viral quantification of Murine Norovirus with cells treated with the "PROCID" disinfectant.....log<sub>10</sub><sup>-5.49</sup>

**Note:** only can be used to determine the infectivity of cells, those dilutions which: a) show a low degree of cellular destruction (< 25% of cell monolayer) and b) produce a reduction of the title of the virus <1log<sub>10</sub>.

**Control of the effectivity of the disinfectant detection activity**

- Viral quantification of Poliovirus type 1 after 30 minutes on bath ice without exposing the virus to the "PROCID" disinfectant.....log<sub>10</sub><sup>-6.41</sup>
- Viral quantification of Poliovirus type 1 exposing the virus to "PROCID" disinfectant and incubated 30 minutes on ice bath.....log<sub>10</sub><sup>-6.16</sup>
- Viral quantification of Adenovirus type 5 after 30 minutes on bath ice without exposing the virus to the "PROCID" disinfectant.....log<sub>10</sub><sup>-5.99</sup>
- Viral quantification of Adenovirus type 5 exposing the virus to "PROCID" disinfectant and incubated 30 minutes on ice bath.....log<sub>10</sub><sup>-5.66</sup>
- Viral quantification of Murine Norovirus after 30 minutes on bath ice without exposing the virus to the "PROCID" disinfectant.....log<sub>10</sub><sup>-5.74</sup>
- Viral quantification of Murine Norovirus exposing the virus to "PROCID" disinfectant and incubated 30 minutes on ice bath.....log<sub>10</sub><sup>-5.49</sup>

**Note:** The difference between decimal logarithm of titre without exposing the virus to the product and of the test suspension should be ≤0.5

**Special remarks**

- All controls and validation were between the basic limits.
- One concentration at least showed a log reduction less than 4 log.
- One concentration at least showed a log reduction higher than ≥4 log.

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR****Assay results****Description**

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 15% and 0.3% and during 30 minutes of exposure, **shows** virucidal activity against Poliovirus type 1, with a reduction  $\geq 5.90 \pm 0.47$  TCID<sub>50</sub> when tested at 15% and with a reduction  $4.74 \pm 0.52$  TCID<sub>50</sub> when tested at 0.3%, when the activity is assayed according with the NF EN 14476: 2013 + A2: 2019 guideline.

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 0.001% and during 30 minutes of exposure, **does not show** virucidal activity against Poliovirus type 1, with a reduction  $0.17 \pm 0.62$  TCID<sub>50</sub>, when the activity is assayed according with the NF EN 14476: 2013 + A2: 2019 guideline.

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 15% and 0.3% and during 30 minutes of exposure, **shows** virucidal activity against Adenovirus type 5, with a reduction  $\geq 5.24 \pm 0.37$  TCID<sub>50</sub> when tested at 15% and with a reduction  $4.66 \pm 0.48$  TCID<sub>50</sub> when tested at 0.3%, when the activity is assayed according with the EN NF EN 14476: 2013 + A2: 2019 guideline.

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 0.001% and during 30 minutes of exposure, **does not show** virucidal activity against Adenovirus type 5, with a reduction  $0.25 \pm 0.49$  TCID<sub>50</sub> when the activity is assayed according with the NF EN 14476: 2013 + A2: 2019 guideline.

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 15% and 0.3% and during 30 minutes of exposure, **shows** virucidal activity against Murine Norovirus with a reduction  $\geq 5.33 \pm 0.28$  TCID<sub>50</sub>, when tested at 15% and with a reduction  $4.75 \pm 0.41$  TCID<sub>50</sub> when tested at 0.3%, when the activity is assayed according with the NF EN 14476: 2013 + A2: 2019 guideline.

The disinfectant product, "**PROCID**", batch not indicated, under clean conditions, diluted at 0.001% and during 30 minutes of exposure, **does not show** virucidal activity against Murine Norovirus, with a reduction  $0.34 \pm 0.42$  TCID<sub>50</sub>, when the activity is assayed according with the NF EN 14476: 2013 + A2: 2019 guideline.

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR****Tables of results and graphics**

See tables 1 to 6 and figure 1 to 3.

**Conclusion**

The disinfectant product "**PROCID**", batch not indicated under clean conditions, diluted at **0.3%**, requested by the customer, and during 30 minutes of exposure, **shows** virucidal activity against Poliovirus type, Adenovirus type 5 and Murine Norovirus, when the activity is evaluated according to the NF EN 14476: 2013 + A2: 2019 guideline.

Note 1: The results obtained correspond to the product received in this laboratory.

Note 2: The information that depend on the information received from the client and are not facilitated by the same one, shown as "not provided".

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (*Approved with qualified electronic signature*)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSR**
**Table 1.** Results of activity of the product “**PROCID**”, batch not indicated with Poliovirus type 1 (ATCC VR-192) under clean conditions.

Product	Concentration*	Interfering substance	Cytotoxicity level	log <sub>10</sub> TCID <sub>50</sub> after.....			Reduction with the confidence interval of 95% after 30 minutes
				0 min	30 min	60 min	
<b>PROCID</b>	15%	0.3 g/L BSA	0.5	-	0.50	-	≥ 5.90 ± 0.47
	0.3%		0.5	-	1.66	-	4.74 ± 0.52
	0.001%		0.5	-	6.23	-	0.17 ± 0.62
Virus control	NA	0.3 g/L BSA	NA	6.49	6.40	-	NA
Formaldehyde	0.7% (p:v)	NA	0.5	NR	5.25	2.91	NA
Virus control Formaldehyde	0.7% (p:v)	NA	0.5	7.16	NR	6.91	NA
Control of sensitivity of cells to virus (difference between decimal logarithm of titre using treated and untreated cells) .....log <sub>10</sub> <sup>-0.59</sup>							
Control of the effectivity of the disinfectant detection activity (difference between decimal logarithm of titre without exposing the virus to the product and of the test suspension)..... log <sub>10</sub> <sup>-0.25</sup>							
NA: not applicable; NR: not realized Times recommended by Guideline for surfaces: maximum 5 or 60 minutes Times recommended by Guideline for instruments: maximum 60 minutes Times recommended by Guideline for Hygienic treatment of hands by friction and hygienic handwashing: between 30 or 120 seconds PBS: phosphate buffered saline; BSA: bovine serum albumin. Virucidal activity exists when the titer of virus shows a reduction ≥4 log. *: see Special remarks to understand the values of these concentrations.							

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.



**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSRH**
**Table 2.** Results of the activity of the product "PROCID", batch not indicated, with Poliovirus type 1 (ATCC VR-192) (Assay of titration with 12 wells), under clean conditions.

Product	Concentration *	Interfering substance	Time of contact (min)	Dilutions (log10) <sup>a,b</sup>							
				1	2	3	4	5	6	7	8
PROCID	15 %	0.3 g/L BSA	30	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	NR
	0.3 %		30	4334 4234 3223	0020 2000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	NR
	0.001 %		30	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	3232 0234 4343	2320 2023 3020	0020 0000 0002	0000 0000 0000
Cytotoxicity	15 %	NA	NA	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000
Virus control	NA	0.3 g/L BSA	0	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	2303 0022 4403	0020 0330 0020	0000 0000 0000
			30	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	3240 3344 4322	0203 0223 0230	0000 2200 2002	0020 0000 0000
Formaldehyde	0.7 (p/v)	NA	30	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	0303 0323 0020	0020 0010 2000	0000 0000 0000	NR
			60	4444 4444 4444	2332 0323 3322	0012 0201 0102	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	NR
Control of folmaldehyde cytotoxicity	0.7 (p/v)	NA	NA	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	0000 0000 0000	NR
Virus control folmaldehyde	0.7 (p/v)	NA	0	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	2230 3230 3233	1012 0100 0202	0000 0000 0000
			60	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	4444 4444 4444	3023 2322 0323	0220 0010 2200	0000 0000 0000
Sensitivity control of cells to virus	NA	NA	Cells not treated	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	0C0C 0CCC 0C0C	00C0 C0CC 0000	0000 0000 0000
			Cells treated	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC 0CCC	0C00 C00C C000	0000 0C00 0000	0000 0000 0000
Effectivity control of the disinfectant detection activity	NA	0.3 g/L BSA	Without PRODUCT	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	0CCC 0CCC CCCC	C000 0000 C000	0000 0000 0000
			With PRODUCT	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC CCCC	CCCC CCCC 0CCC	0C0C 00C0 CCC0	00C0 C000 000C	0000 0000 0000

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**

a): 1 to 4, virus present and grade of cytopathic effect in 12 units of cellular culture, or grade of cellular lesions in the cytotoxicity assay.

C = cytopathic effect with presence of virus (in this case and according to guideline does not take into account the degree of cytopathic effect only, the presence or absence of the same).

0 = no virus present or absence of cellular lesions in the cytotoxicity assay; NA: not applicable; NR: not realized; BSA: Bovine serum albumin; PBS: phosphate buffered saline.

sec: seconds; min: minutes.

\*: see Special remarks to understand the values of these concentrations.

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (*Approved with qualified electronic signature*)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**
**Table 3.** Results of activity of the product "PROCID", batch not indicated, with Adenovirus type 5 (ATCC VR-5), under clean conditions:

Product	Concentration*	Interfering substance	Cytotoxicity level	log <sub>10</sub> TCID <sub>50</sub> after.....			Reduction with the confidence interval of 95% after 30 minutes
				0 min	30 min	60 min	
<b>PROCID</b>	15%	0.3 g/L BSA	0.5	-	0.50	-	≥5.24 ± 0.37
	0.3%		0.5	-	1.08	-	4.66 ± 0.48
	0.001%		0.5	-	5.49	-	0.25 ± 0.49
Virus control	NA	0.3 g/L BSA	NA	5.82	5.74	-	NA
Formaldehyde	0.7% (p:v)	NA	0.5	NR	2.49	1.74	NA
Virus control Formaldehyde	0.7% (p:v)	NA	0.5	5.91	NR	5.74	NA
Control of sensitivity of cells to virus (difference between decimal logarithm of titre using treated and untreated cells) .....log10 <sup>-0.58</sup>							
Control of the effectivity of the disinfectant detection activity (difference between decimal logarithm of titre without exposing the virus to the product and of the test suspension)..... log10 <sup>-0.33</sup>							
NA: not applicable; NR: not realized Times recommended by Guideline for surfaces: maximum 5 or 60 minutes Times recommended by Guideline for instruments: maximum 60 minutes Times recommended by Guideline for Hygienic treatment of hands by friction and hygienic handwashing: between 30 or 120 seconds PBS: phosphate buffered saline; BSA: bovine serum albumin. Virucidal activity exists when the titer of virus shows a reduction ≥4 log. *: see Special remarks to understand the values of these concentrations.							

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**
**Table 4. Results of the activity of the product "PROCID", batch not indicated, with Adenovirus type 5 (ATCC VR-5) (Assay of titration with 12 wells), under clean conditions:**

Product	Concentration *	Interfering substance	Time of contact (min)	Dilutions (log10) <sup>a,b</sup>								
				1	2	3	4	5	6	7	8	
<b>PROCID</b>	15 %	0.3 g/L BSA	30	0000	0000	0000	0000	0000	0000	0000	0000	NR
	0.3 %		30	0022	0000	0000	0000	0000	0000	0000	0000	NR
	0.001 %		30	0303	0000	0000	0000	0000	0000	0000	0000	NR
Cytotoxicity	15 %	NA	NA	2022	0000	0000	0000	0000	0000	0000	0000	
Virus control	NA	0.3 g/L BSA	0	4444	4444	4444	4444	3243	0002	0200	0000	
			30	4444	4444	4444	4444	0230	2003	0000	0000	
Formaldehyde	0.7 (p/v)	NA	30	4444	2323	0020	0000	0000	0000	0000	NR	
			60	4444	2030	0200	0000	0000	0000	0000	NR	
Control of foimaldehyde cytotoxicity	0.7 (p/v)	NA	NA	4444	3323	0000	0000	0000	0000	0000	NR	
Virus control foimaldehyde	0.7 (p/v)	NA	0	3323	0020	0000	0000	0000	0000	0000	NR	
			60	0323	1101	0000	0000	0000	0000	0000	NR	
Sensitivity control of cells to virus	NA	NA	Cells not treated	4444	4444	4444	4444	3233	2022	0000	NR	
			Cells treated	4444	4444	4444	4444	0223	0100	0000	NR	
Effectivity control of the disinfectant detection activity	NA	0.3 g/L BSA	Without PRODUCT	4444	4444	4444	4444	3323	0200	0000	NR	
			With PRODUCT	4444	4444	4444	4444	3222	0210	0000	NR	

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**

a): 1 to 4, virus present and grade of cytopathic effect in 12 units of cellular culture, or grade of cellular lesions in the cytotoxicity assay.

C = cytopathic effect with presence of virus (in this case and according to guideline does not take into account the degree of cytopathic effect only, the presence or absence of the same).

0 = no virus present or absence of cellular lesions in the cytotoxicity assay; NA: not applicable; NR: not realized; BSA: Bovine serum albumin; PBS: phosphate buffered saline.  
sec: seconds; min: minutes.

\*: see Special remarks to understand the values of these concentrations.

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (*Approved with qualified electronic signature*)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**
**Table 5.** Results of activity of the product “PROCID”, batch not indicated, with Murine Norovirus, strain S99 Berlin, under clean conditions:

Product	Concentration*	Interfering substance	Cytotoxicity level	log <sub>10</sub> TCID <sub>50</sub> after.....			Reduction with the confidence interval of 95% after 30 minutes
				0 min	30 min	60 min	
<b>PROCID</b>	15%	0.3 g/L BSA	0.5	-	0.50	-	≥ 5.33 ± 0.28
	0.3 %		0.5	-	1.08	-	4.75 ± 0.41
	0.001%		0.5	-	5.49	-	0.34 ± 0.42
Virus control	NA	0.3 g/L BSA	NA	5.91	5.83	-	NA
Formaldehyde	0.7% (p:v)	NA	0.5	NR	2.91	1.57	NA
Virus control Formaldehyde	0.7% (p:v)	NA	0.5	5.66	NR	5.50	NA
Control of sensitivity of cells to virus (difference between decimal logarithm of titre using treated and untreated cells) .....log <sub>10</sub> <sup>-0.42</sup>							
Control of the effectivity of the disinfectant detection activity (difference between decimal logarithm of titre without exposing the virus to the product and of the test suspension)..... log <sub>10</sub> <sup>-0.25</sup>							
NA: not applicable; NR: not realized Times recommended by Guideline for surfaces: maximum 5 or 60 minutes Times recommended by Guideline for instruments: maximum 60 minutes Times recommended by Guideline for Hygienic treatment of hands by friction and hygienic handwashing: between 30 or 120 seconds PBS: phosphate buffered saline; BSA: bovine serum albumin. Virucidal activity exists when the titer of virus shows a reduction ≥4 log. *: see Special remarks to understand the values of these concentrations.							

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**
**Table 6.** Results of the activity of the product "PROCID", batch not indicated with Murine Norovirus strain S99 Berlin (Assay of titration with 12 wells), under clean conditions:

Product	Concentration *	Interfering substance	Time of contact (min)	Dilutions (log10) <sup>a,b</sup>								
				1	2	3	4	5	6	7	8	
PROCID	15 %	0.3 g/L BSA	30	0000	0000	0000	0000	0000	0000	0000	0000	NR
				0000	0000	0000	0000	0000	0000	0000	0000	
				0000	0000	0000	0000	0000	0000	0000		
	0.3 %		30	0230	0000	0000	0000	0000	0000	0000	NR	
				3022	0000	0000	0000	0000	0000	0000		
				2020	0000	0000	0000	0000	0000	0000		
	0.001 %		30	4444	4444	4444	4444	3202	0202	0000	NR	
				4444	4444	4444	4444	4444	3404	0200		
				4444	4444	4444	4444	4444	4433	0000		
Cytotoxicity	15 %	NA	NA	0000	0000	0000	0000	0000	0000	0000	NR	NR
Virus control	NA	0.3 g/L BSA	0	4444	4444	4444	4444	2332	0200	0020	0000	
				4444	4444	4444	4444	4302	0032	0002	0000	
				4444	4444	4444	4444	0023	2030	0200	0000	
			30	4444	4444	4444	4444	4332	0203	0000	0000	
				4444	4444	4444	4444	2344	2000	0000	0000	
				4444	4444	4444	4444	3243	0020	0000	0000	
Formaldehyde	0.7 (p/v)	NA	30	4444	3343	0202	0000	0000	0000	0000	NR	
				4444	4443	0012	0000	0000	0000	0000		
			60	4444	4244	0200	0000	0000	0000	0000	NR	
				3233	0020	0000	0000	0000	0000	0000		
				0434	0100	0000	0000	0000	0000	0000		0000
				4234	0000	0000	0000	0000	0000	0000		
Control of formaldehyde cytotoxicity	0.7 (p/v)	NA	NA	0000	0000	0000	0000	0000	0000	0000	NR	
Virus control formaldehyde	0.7 (p/v)	NA	0	4444	4444	4444	4444	2203	0001	0000	NR	
				4444	4444	4444	4444	2320	0011	0000		
				4444	4444	4444	4444	2232	0002	0000		
			60	4444	4444	4444	4444	3302	0002	0000	NR	
				4444	4444	4444	4444	2030	0020	0000		
				4444	4444	4444	4444	3222	1000	0000		
Sensitivity control of cells to virus	NA	NA	Cells not treated	CCCC	CCCC	CCCC	CCCC	CCCC	00C0	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	CCCC	CCCC	0000	0000
			Cells Treated	CCCC	CCCC	CCCC	CCCC	CCCC	0000	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	C000	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	C0C0	0000	0000	
Effectivity control of the disinfectant detection activity	NA	0.3 g/L BSA	Without PRODUCT	CCCC	CCCC	CCCC	CCCC	CCCC	0000	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	CCCC	0C0C	0000	0000
				CCCC	CCCC	CCCC	CCCC	CCCC	CCCC	C0C0	0000	0000
			With PRODUCT	CCCC	CCCC	CCCC	CCCC	CCCC	000C	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	C0C0	0000	0000	
				CCCC	CCCC	CCCC	CCCC	CCCC	C0C0	0000	0000	

Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**

a): 1 to 4, virus present and grade of cytopathic effect in 12 units of cellular culture, or grade of cellular lesions in the cytotoxicity assay.

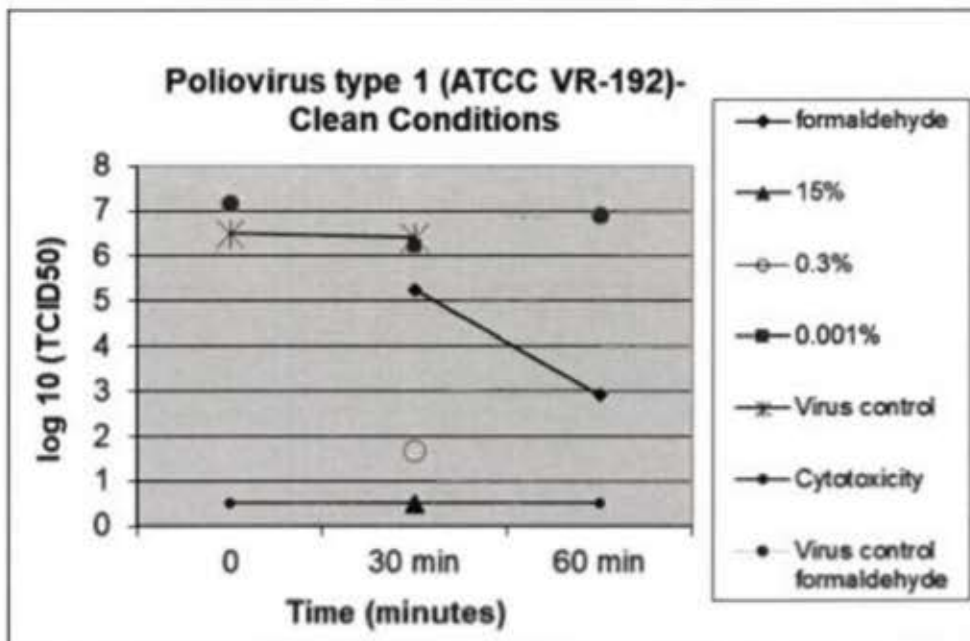
C = cytopathic effect with presence of virus (in this case and according to guideline does not take into account the degree of cytopathic effect only, the presence or absence of the same).

0 = no virus present or absence of cellular lesions in the cytotoxicity assay; NA: not applicable; NR: not realized; BSA: Bovine serum albumin; PBS: phosphate buffered saline.

sec: seconds; min: minutes.

\*: see Special remarks to understand the values of these concentrations.

**Figure 1.** Results of the activity of the product “PROCID”, batch not indicated, at 15%, 0.3% and 0.001% concentration under clean conditions with Poliovirus type 1 (ATCC VR-192).



Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

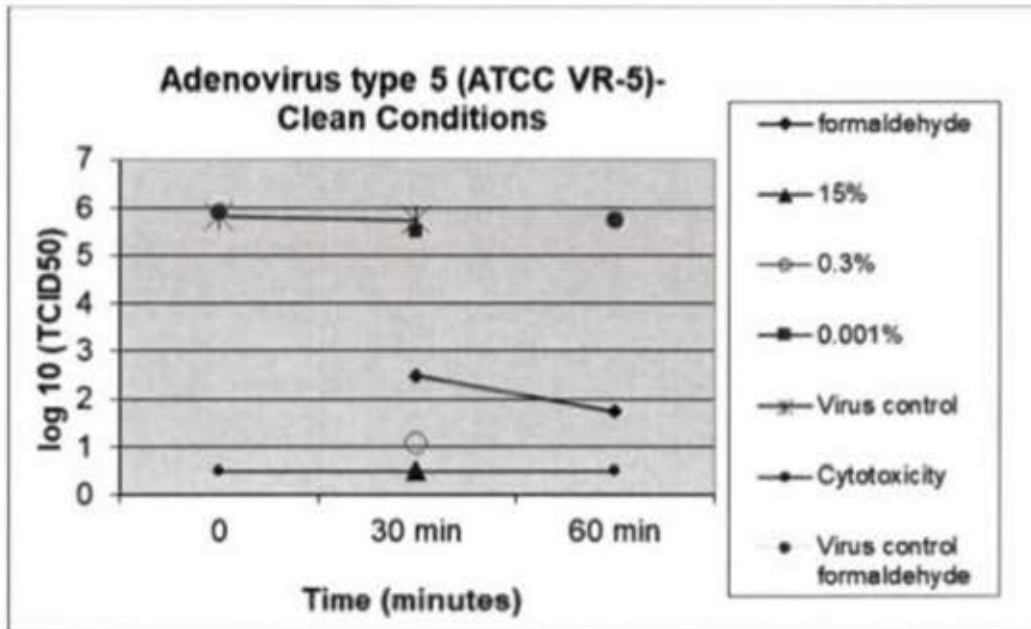
Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.

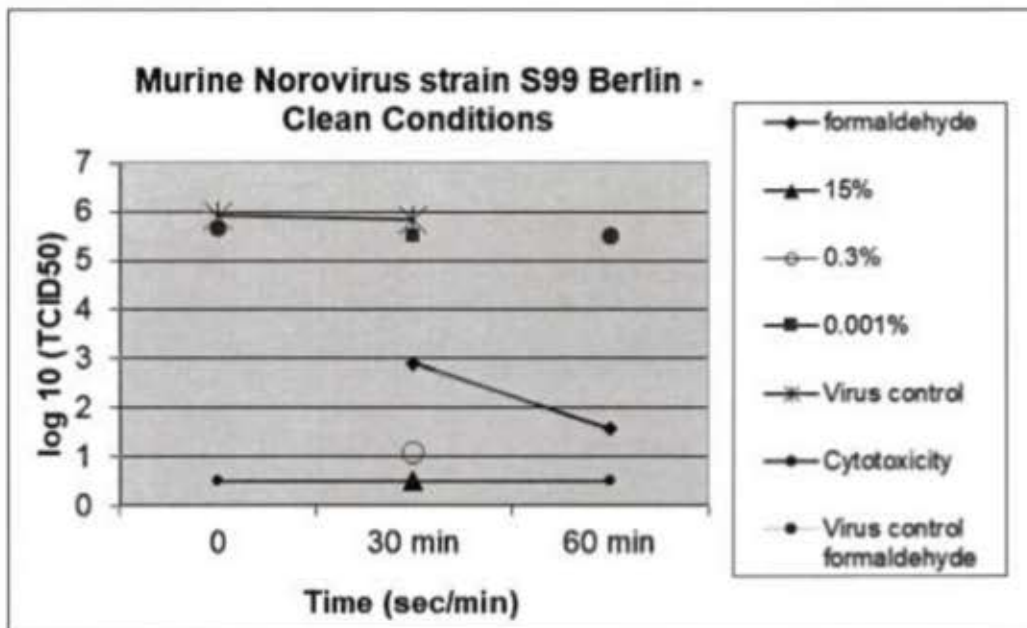


**ENCLOSURE No. 1 TO REPORT OF ANALYSIS NO. 213654/20/JSHR**

**Figure 2.** Results of the activity of the product "PROCID", batch not indicated, at 15%, 0.3% and 0.001% concentration under clean conditions with Adenovirus type 5 (ATCC VR-5).



**Figure 3.** Results of the activity of the product "PROCID", batch not indicated, at 15%, 0.3% and 0.001% concentration under clean conditions with Murine Norovirus strain S99 Berlin.



Date: 08.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with qualified electronic signature)

This enclosure is an inseparable part of the report of analysis and cannot be reproduced partially without a priori written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in an original copy of the enclosure.