
 ANTİMİKROP R&D AND BIOCIDAL ANALYSIS LABORATORY			
		MICROBIOLOGICAL ANALYSIS RESULTS REPORT	
REGISTRATION NUMBER	R-20-0190		
REPORT DATE	08.09.2020		
SAMPLE REGISTRATION NUMBER	BI-20-0190		
NAME OF THE PRODUCT	Naturist Sıvı El ve Cilt Dezenfektanı		
PRODUCT / LICENSE OWNER	İYONCHEM KİMYA TEKNOLOJİ VE SAN. TİC. LTD.ŞTİ.		
ACTIVE SUBSTANCE COMPOSITION	Ethyl alcohol (75% v/v)		
FORMULATION	-		
PACKING MATERIAL	Plastic bottle		
SAMPLE ARRIVAL DATE	01.09.2020		
INSTITUTION SENDING THE SAMPLE	İYONCHEM KİMYA TEKNOLOJİ VE SAN. TİC. LTD.ŞTİ.		
TEST PURPOSE, THE SEAL STATUS and THE QUANTITY	BIOCİDAL ANALYSIS-UNSEALED-100 ml		
SAMPLE PRODUCTION PLACE ADDRESS	MORS KOZMETİK SAN. VE TİC. LTD.ŞTİ. İğneler Mah. Kocasınan Cad. No:28 Ergene/TEKİRDAĞ		
PRODUCTION AND EXPIRATION DATE	-		
SAMPLE CHARGER / SERIAL NUMBER	-		
ANALYSIS START AND END DATE	02.09.2020-07.09.2020		
ANALYSIS METHOD	VİRÜCİDAL ANALYSIS		
ANALYSIS RESULTS	Appendix-1 / PR-13-FR-45-03 Virucidal Test Result Form is presented.		
Date: 08.09.2020 Analyst Fulya PAIK		Date: 08.09.2020 Report Prepared by Gönül DİNÇER CENGİZ	
		Date: 08.09.2020 Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK	
DOCUMENT NO	RELEASE DATE	REVISION DATE	REVISION NO
PR-13-FR-41-02	01.10.2019	06.06.2020	02
			PAGE 1/2

**ANTİMİKROP R&D AND BIOCIDAL ANALYSIS
LABORATORY****MICROBIOLOGICAL ANALYSIS RESULTS REPORT****Appendix 1: RESULTS**

ANALYSIS TYPE AND METHOD	MICROORGANISM USED	RESULT	BACTERICIDAL EFFECT (REDUCTION %)	CONTACT TIME
BACTERICIDAL ANALYSIS	<i>P. aeruginosa</i>	-	-	-
	<i>E. hirae</i>	-	-	-
	<i>S. aureus</i>	-	-	-
	<i>E. coli</i>	-	-	-
	<i>E. coli</i> K12	-	-	-
	<i>B. subtilis</i>	-	-	-

VIRUCIDAL ANALYSIS*	MICROORGANISM USED	RESULT	VIRUCIDAL EFFECT (REDUCTION %)	CONTACT TIME
	<i>Poliovirus Type 1 (LSc 2ab strain) *</i>	7,17 LOG	>%99,99	2 Min.
	<i>Adenovirus Type 5 (Adenoid 75 strain) *</i>	7,17 LOG	>%99,99	2 Min.
	<i>M. Norovirus (S99 Berlin strain) *</i>	7,33 LOG	>%99,99	2 Min.

FUNGICIDAL ANALYSIS	MICROORGANISM USED	RESULT	FUNGICIDAL EFFECT (DECREASE %)	CONTACT TIME
	<i>C. albicans</i>	-	-	-
	<i>A. brasiliensis</i>	-	-	-

SUMMARY OF ANALYSIS METHOD

Virucidal tests with Naturist Sıvı El ve Cilt Dezenfektanı were performed according to TS EN 14476 + A1: 2019-09 standards against Poliovirus Type 1, Adenovirus Type 5 and Murine Norovirus at 20 °C for a 2 minutes contact time under clean conditions (0.3 g / l bovine albumin solution).

This report cannot be partially copied or reproduced without the written permission of the laboratory.

Unsigned reports are invalid.

The tests marked with (*) are within the scope of accreditation.

DOCUMENT NO
PR-13-FR-41-02

RELEASE DATE
01.10.2019

REVISION DATE
06.06.2020

REVISION NO
02

PAGE
2/2

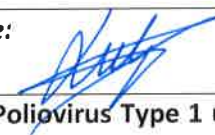
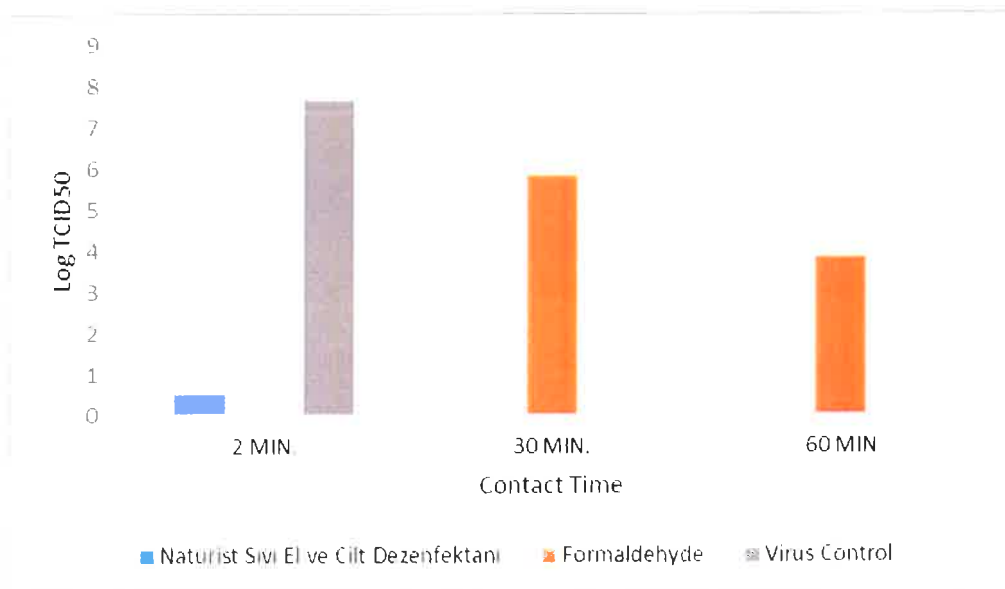
Test Name:	Evaluation of the virus-killing efficiency of the product coded BI-20-0190 according to TS EN 14476 A1 (September 2019) standard		
Product Name:	Naturist Sıvı El ve Cilt Dezenfektanı	Product Code:	BI-20-0190
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	02.09.2020		
Working Conditions	Usage	Ready to use	
	Diluent	-	
	Test Substance Concentration	%97 (RTU-Modified Method)	
	Appearance when diluted	-	
	Contact Time	2 Minutes	
	Test Temperature	20 °C	
	Interfering Substance	Clean conditions: 0,3 g/l bovine serum albumin solution	
	Test Substance Appearance	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution neutralization	
	Test Organism	Poliovirus Type 1 (LSc 2ab strain)	
Test Cell Line	VERO cell line		
Tester's Name	Name/Surname : Fulya PAK	Signature:	

Figure 1. Virucidal effect of Naturist Sıvı El ve Cilt Dezenfektanı against Poliovirus Type 1 under clean conditions.





**ANTİMİKROP R&D AND BIOCIDAL ANALYSIS
LABORATORY**



TEST RESULTS (Virucidal Test)

Test Substance	Test Substance Concentration	Interfering Substance	Cytotoxicity (Log TCID50)	0-1-2-30-60 minutes after log TCID50					2 minutes later Log*
				0	1	2	30	60	
Naturist Sıvı El ve Cilt Dezenfektanı	Ready to use (RTU) (97%)	Clean Conditions (3 g/L BSA)	0,5	-	-	0,5	-	-	7,17
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	
Formaldehyde	0.7% (w/v)	PBS	0,5	-	-	-	5,83	3,83	-
Virus Control	-	PBS	-	-	-	-	-	-	-
		Clean Conditions (3 g/L BSA)	-	7,67	-	7,67	-	-	-
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	-

* Log reduction = Log Virus Control t 2 min. - Log Test Substance t 2 min.

Test Substance	Test Substance Concentration	Interfering Substance	Contact Time (Minutes)	Dilution (Log)*						
				-2	-3	-4	-5	-6	-7	-8
Naturist Sıvı El ve Cilt Dezenfektanı	RTU (%97)	Clean Conditions (3 g/L BSA)	2	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Naturist Sıvı El ve Cilt Dezenfektanı Cytotoxicity	RTU (%97)	Clean Conditions (3 g/L BSA)	-	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Formaldehyde	% 0.7	PBS	30	444 444	444 444	433 333	020 001	000 000	000 000	000 000
			60	444 444	001 001	000 000	000 000	000 000	000 000	000 000
Formaldehyde Cytotoxicity	% 0.7	PBS	-	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Virus Control	-	Clean Conditions (3 g/L BSA)	0	444 444	444 444	444 444	444 444	024 344	300 040	000 000
			2	444 444	444 444	444 444	444 444	014 144	010 040	000 000

* Numbers 0-4 indicate the presence of cpe caused by the virus and the ratio of cpe in the cell layer in the well (0: no cpe; 1: 25% cpe; 2: 50% cpe, 3: 75% cpe; 4: 100% cpe).

DOCUMENT NO
PR-13-FR-45-03

RELEASE DATE
09.07.2019

REVISION DATE
07.09.2020

REVISION NO
03

PAGE
2/3

ANTİMİKROP ANTİMİKROP A.Ş. MAD. LAB.
AR-GE VE BİYOSİDAL ANAHTAR MERKEZİ
Nispetiye Mahallesi, 34398 Beşiktaş/İSTANBUL
Hizmet No: 070 031 87 10 / Maruz No: 0070 03 1871506913



ANTİMİKROP R&D AND BIOCIDAL ANALYSIS LABORATORY



TEST RESULTS (Virucidal Test)

RESULTS

The method verified test is valid only when it meets the following verification requirements.

Conditions	Comment
1.1. Virus test suspension should show 4 log difference in virus titer.	Virus titer is enough to show 4 log difference.
1.2. The cytotoxicity of the product should not prevent 4 log difference in virus titer.	Product toxicity does not prevent 4 log difference.
1.3. Interference control test result should not show more than 1 log difference in virus titer compared to virus control.	Interference control is convenient.
1.4. The virus titer difference should be ≤ 0.5 log as a result of the activity suppression test.	Reconstitution with ice cold medium does not prevent virus reproduction.
1.5. The reference inactivator >4 log virucidal effect should be appropriate in the >60 minute test.	Formaldehyde used as reference inactivator showed >4 log virucidal effect in >60 minutes.

Based on TS EN 14476 + A1: 2019-09 standard; the batch of **Naturist Sıvı El ve Cilt Dezenfektanı** when tested at RTU (ready-to-use) possesses virucidal activity in 2 minute at 20⁰ C under clean conditions for the reference strain of Poliovirus Type 1 virus.

DATE: 08.09.2020

ANKARA

Manager, Microbiological Analysis Laboratory Valman Bio. Fulya PAK	Responsible for QMS Nihan SEVEN ERSELY	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK
---	---	--

ANTİMİKROP ANTİMİKROBİYAL MAD. LAB.
AR-GE / MUH. VE DEN. HİZ. KİMYA SAN. TİC. LTD. ŞTİ.
Nispetiye Sok. Sütlüce Mah. Katip Çelebi Cad. No: 37/1
Çankaya / ANKARA
Halki Y.D. No: 070 031 8715 Mersis No: 0870031871500013

DOCUMENT NO
PR-13-FR-45-03

RELEASE DATE
09.07.2019

REVISION DATE
07.09.2020

REVISION NO
03

PAGE
3/3



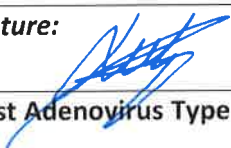
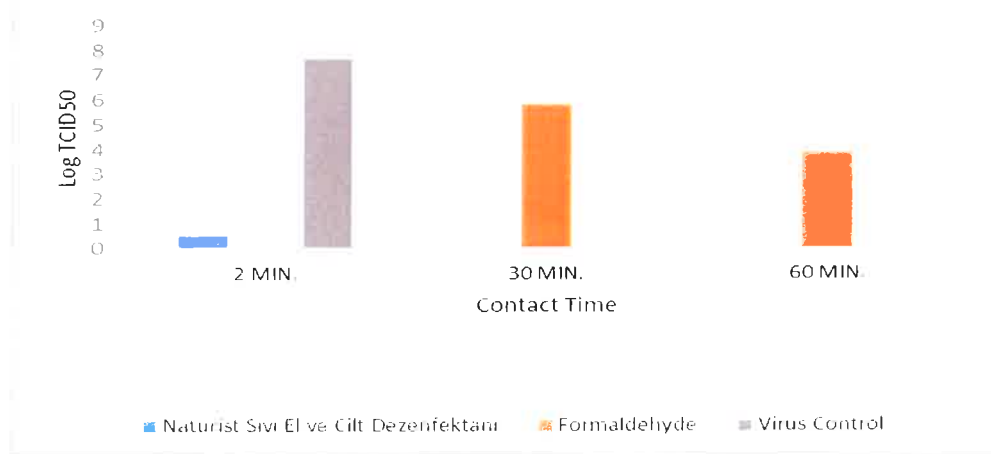
	ANTİMİKROP R&D AND BIOCIDAL ANALYSIS LABORATORY		 <small>TESTING LABORATORY ISO/IEC 17025:2017 NAC-043-TL</small>
	TEST RESULTS (Virucidal Test)		
Test Name:	Evaluation of the virus-killing efficiency of the product coded Bi-20-0190 according to TS EN 14476 A1 (September 2019) standard		
Product Name:	Naturist Sıvı El ve Cilt Dezenfektanı	Product Code:	Bi-20-0190
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	04.09.2020		
Working Conditions	Usage	Ready to use	
	Diluent	-	
	Test Substance Concentration	%97 Concentration (RTU-Modified Method)	
	Appearance when diluted	-	
	Contact Time	2 Minutes	
	Test Temperature	20 °C	
	Interfering Substance	Clean conditions: 0,3 g/l bovine serum albumin solution	
	Test Substance Appearance	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution neutralization	
	Test Organism	Adenovirus Type 5 (Adenoid 75 strain)	
Test Cell Line	VERO cell line		
Tester's Name	Name/Surname : Fulya PAK	Signature:	

Figure 1. Virucidal effect of Naturist Sıvı El ve Cilt Dezenfektanı against Adenovirus Type 5 under clean conditions



DOCUMENT NO PR-13-FR-45-03	RELEASE DATE 09.07.2019	REVISION DATE 07.09.2020	REVISION NO 03	PAGE 1/3
--------------------------------------	-----------------------------------	------------------------------------	--------------------------	--------------------



ANTİMİKROP R&D AND BIOCIDAL ANALYSIS LABORATORY



TEST RESULTS (Virucidal Test)

Test Substance	Test Substance Concentration	Interfering Substance	Cytotoxicity (Log TCID50)	0-1-2-30-60 minutes after log TCID50					2 minutes later Log*
				0	1	2	30	60	
Naturist Sıvı El ve Cilt Dezenfektanı	Ready to use (RTU) (97%)	Clean Conditions (3 g/L BSA)	0,5	-	-	0,5	-	-	7,17
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	
Formaldehyde	0.7% (w/v)	PBS	0,5	-	-	-	5,83	3,83	-
Virus Control	-	PBS	-	-	-	-	-	-	-
		Clean Conditions (3 g/L BSA)	-	7,67	-	7,67	-	-	-
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	-

* Log reduction = Log Virus Control t 2 min. - Log Test Substance t 2 min.

Test Substance	Test Substance Concentration	Interfering Substance	Contact Time (Minutes)	Dilution (Log)*						
				-2	-3	-4	-5	-6	-7	-8
Naturist Sıvı El ve Cilt Dezenfektanı	RTU (%97)	Clean Conditions (3 g/L BSA)	2	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Naturist Sıvı El ve Cilt Dezenfektanı Cytotoxicity	RTU (%97)	Clean Conditions (3 g/L BSA)	-	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Formaldehyde	% 0.7	PBS	30	444 444	444 444	433 333	020 001	000 000	000 000	000 000
			60	444 444	001 001	000 000	000 000	000 000	000 000	000 000
Formaldehyde Cytotoxicity	%0.7	PBS	-	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Virus Control	-	Clean Conditions (3 g/L BSA)	0	444 444	444 444	444 444	444 444	444 344	400 000	000 000
			2	444 444	444 444	444 444	444 444	414 414	001 000	000 000

* Numbers 0-4 indicate the presence of cpe caused by the virus and the ratio of cpe in the cell layer in the well (0: no cpe; 1: 25% cpe; 2: 50% cpe; 3: 75% cpe; 4: 100% cpe).

DOCUMENT NO
PR-13-FR-45-03

RELEASE DATE
09.07.2019

REVISION DATE
07.09.2020

REVISION NO
03

PAGE
2/3

RESULTS

The method verified test is valid only when it meets the following verification requirements.

Conditions	Comment
1.1. Virus test suspension should show 4 log difference in virus titer.	Virus titer is enough to show 4 log difference.
1.2. The cytotoxicity of the product should not prevent 4 log difference in virus titer.	Product toxicity does not prevent 4 log difference.
1.3. Interference control test result should not show more than 1 log difference in virus titer compared to virus control.	Interference control is convenient.
1.4. The virus titer difference should be ≤ 0.5 log as a result of the activity suppression test.	Reconstitution with ice cold medium does not prevent virus reproduction.
1.5. The reference inactivator > 4 log virucidal effect should be appropriate in the > 60 minute test.	Formaldehyde used as reference inactivator showed > 4 log virucidal effect in > 60 minutes.

*Based on TS EN 14476 + A1: 2019-09 standard; the batch of **Naturist Sıvı El ve Cilt Dezenfektanı** when tested at RTU (ready-to-use) possesses virucidal activity in 2 minute at 20 ° C under clean conditions for the reference strain of Adenovirus Type 5 virus.*

DATE: 08.09.2020
ANKARA

Manager, Microbiological Analysis Laboratory <i>Uzman Bio. Fulya PAK</i>	Responsible for QMS <i>Nihon SEVEN ERÖLÜ</i>	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK
---	---	---

ANTİMİKROP ANTİMİKROBİYAL BİYO. LAB.
AR-GE İNŞ. VE DENEY. HİZ. KİMYA SAN. TİC. A.Ş.
Nispetiye Atatürk Bulvarı, Süleyman Hilmi Paşa Sokağı, Kat: No: 3/71
Çankaya / ANKARA
Hizmet Y.D. No: 070 031 8715 Mersis No: 0070031871500013


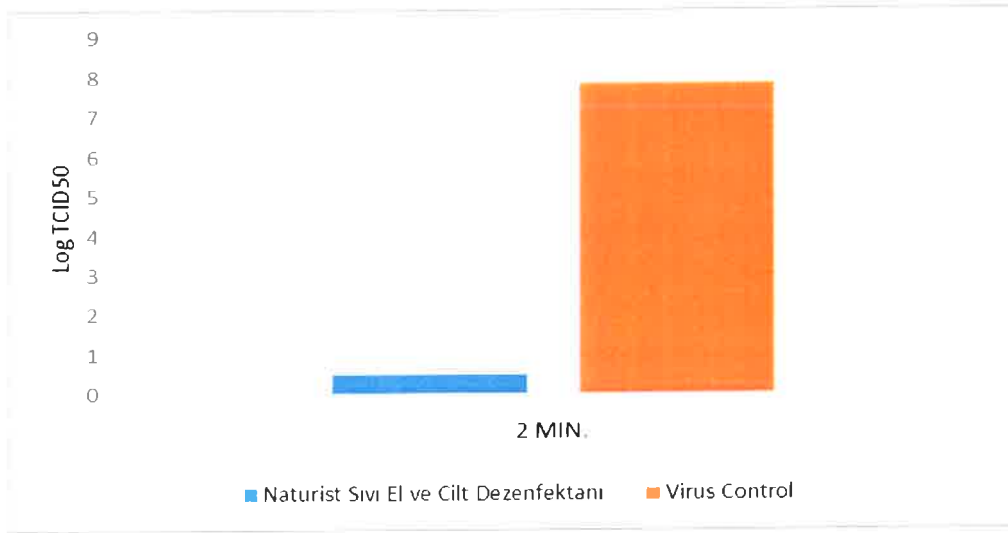
Test Name:	Evaluation of the virus-killing efficiency of the product coded BI-20-0190 according to TS EN 14476 A1 (September 2019) standard		
Product Name:	Naturist Sıvı El ve Cilt Dezenfektanı	Product Code:	BI-20-0190
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	04.09.2020		
Working Conditions	Usage	Ready to use	
	Diluent	-	
	Test Substance Concentration	%97 (RTU-Modified Method)	
	Appearance when diluted	-	
	Contact Time	2 Minutes	
	Test Temperature	20 °C	
	Interfering Substance	Clean conditions: 0,3 g/l bovine serum albumin solution	
	Test Substance Appearance	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution neutralization	
	Test Organism	Murine Norovirus	
	Test Cell Line	RAW cell line	
Tester's Name	Name/Surname : Fulya PAK	Signature:	

Figure 1. Virucidal effect of Naturist Sıvı El ve Cilt Dezenfektanı against Murine Norovirus under clean conditions.





ANTİMİKROP R&D AND BIOCIDAL ANALYSIS LABORATORY



TEST RESULTS (Virucidal Test)

Test Substance	Test Substance Concentration	Interfering Substance	Cytotoxicity (Log TCID50)	0-1-2-30-60 minutes after log TCID50					2 minutes later Log*
				0	1	2	30	60	
Naturist Sıvı El ve Cilt Dezenfektanı	Ready to use (RTU) (97%)	Clean Conditions (3 g/L BSA)	0,5	-	-	0,5	-	-	7,33
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	
Formaldehyde	0.7% (w/v)	PBS	-	-	-	-	-	-	
Virus Control	-	PBS	-	-	-	-	-	-	
		Clean Conditions (3 g/L BSA)	-	7,83	-	7,83	-	-	
		Dirty Conditions (3 g/L BSA+ Erythrocyte)	-	-	-	-	-	-	

* Log reduction = Log Virus Control t 2 min. - Log Test Substance t 2 min.

Test Substance	Test Substance Concentration	Interfering Substance	Contact Time (Minutes)	Dilution (Log)*						
				-2	-3	-4	-5	-6	-7	-8
Naturist Sıvı El ve Cilt Dezenfektanı	RTU (%97)	Clean Conditions (3 g/L BSA)	2	000 000	000 000	000 000	000 000	000 000	000 000	000 000
Naturist Sıvı El ve Cilt Dezenfektanı Cytotoxicity	RTU (%97)	Clean Conditions (3 g/L BSA)	-	000 000	000 000	000 000	000 000	000 000	000 000	0000 00
Formaldehyde	% 0.7	PBS	30	-	-	-	-	-	-	-
			60	-	-	-	-	-	-	-
Formaldehyde Cytotoxicity	% 0.7	PBS	-	-	-	-	-	-	-	-
Virus Control	-	Clean Conditions (3 g/L BSA)	0	444 444	444 444	444 444	444 444	210 132	320 040	000 000
			2	444 444	444 444	444 444	424 444	103 212	011 001	000 000

* Numbers 0-4 indicate the presence of cpe caused by the virus and the ratio of cpe in the cell layer in the well (0: no cpe; 1: 25% cpe; 2: 50% cpe; 3: 75% cpe; 4: 100% cpe).

DOCUMENT NO
PR-13-FR-45-03

RELEASE DATE
09.07.2019

REVISION DATE
07.09.2020

REVISION NO
03

PAGE
2/3



ANTİMİKROP R&D AND BIOCIDAL ANALYSIS
LABORATORY



TEST RESULTS (Virucidal Test)

RESULTS

The method verified test is valid only when it meets the following verification requirements.

Conditions	Comment
1.1. Virus test suspension should show 4 log difference in virus titer.	Virus titer is enough to show 4 log difference.
1.2. The cytotoxicity of the product should not prevent 4 log difference in virus titer.	Product toxicity does not prevent 4 log difference.
1.3. Interference control test result should not show more than 1 log difference in virus titer compared to virus control.	Interference control is convenient.
1.4. The virus titer difference should be ≤ 0.5 log as a result of the activity suppression test.	Reconstitution with ice cold medium does not prevent virus reproduction.
1.5. The reference inactivator >4 log virucidal effect should be appropriate in the >60 minute test.	Formaldehyde used as reference inactivator showed >4 log virucidal effect in >60 minutes.

Based on TS EN 14476 + A1: 2019-09 standard; the batch of **Naturist Sıvı El ve Cilt Dezenfektanı** when tested at RTU (ready-to-use) possesses virucidal activity in 2 minute at 20⁰ C under clean conditions for the reference strain of Murine Norovirus virus.

DATE: 08.09.2020

ANKARA

Manager, Microbiological Analysis Laboratory Ummen Bio. Fulya PAK	Responsible for QMS Nihan SEVEN ERÖZÜKÜ	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK
---	--	---

ANTİMİKROP ANTIMİKROBİYAL MAD. LAB.
AR-GE VE BİYOSİDAL ANALİZ MERKEZİ LTD.ŞTİ.
Nispetiye Karşıyaka, Sultanzade, Maslak, Beşiktaş / İstanbul No: 07/1
Çankaya / ANKARA

Halkın Y.D. No: 070 031 8715 Mersis No: 0079031871500019

<u>DOCUMENT NO</u> PR-13-FR-45-03	<u>RELEASE DATE</u> 09.07.2019	<u>REVISION DATE</u> 07.09.2020	<u>REVISION NO</u> 03	<u>PAGE</u> 3/3
--------------------------------------	-----------------------------------	------------------------------------	--------------------------	--------------------