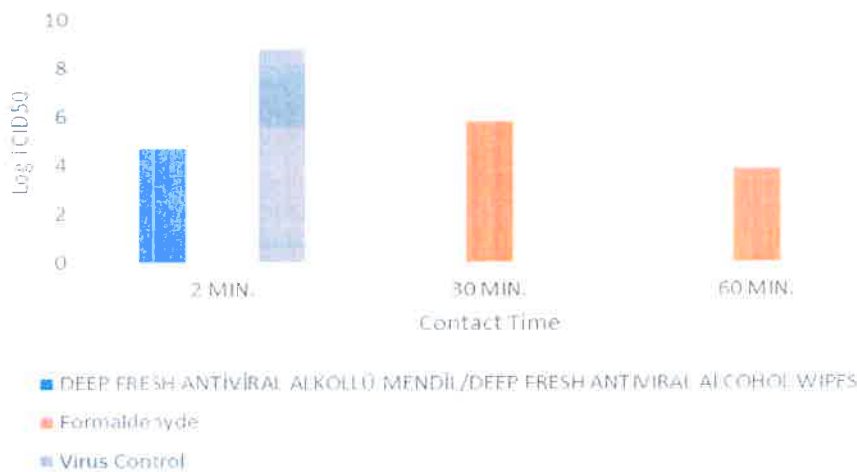


	ANTİMİKROP ARGE VE BİYOSİDAL ANALİZ MERKEZİ	
	MICROBIOLOGICAL ANALYSIS RESULT REPORT	TESTING LABORATORY ISO/IEC 17025:2017 NAC-013-TL
REGISTRATION NUMBER	R-20-0085	
REPORT DATE	26.06.2020	
SAMPLE REGISTRATION NUMBER	BI-20-0085 (SUDUM-V-0042)	
NAME OF THE PRODUCT	DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	
PRODUCT / LICENSE OWNER	AKSAN KOZMETİK SAN. VE TİC. A. Ş.	
ACTIVE SUBSTANCE COMPOSITION	EtOH %75 (v/v)	
FORMULATION	-	
PACKING MATERIAL	Wet Wipes	
SAMPLE ARRIVAL DATE	22.06.2020	
INSTITUTION SENDING THE SAMPLE	AKSAN KOZMETİK SAN. VE TİC. A. Ş.	
TEST PURPOSE, THE SEAL STATUS and THE QUANTITY	BIOCİDAL ANALYSIS- UNSEALED	
SAMPLE PRODUCTION PLACE ADDRESS	AKSAN KOZMETİK SAN. VE TİC. A. Ş. Delikkaya Mah. Kısıklı Cd. No:23/25A Arnavutköy/İSTANBUL	
PRODUCTION AND EXPIRATION DATE	19.06.2020/19.06.2022	
SAMPLE CHARGER / SERIAL NUMBER	-	
ANALYSIS START AND END DATE	22.06.2020-26.06.2020	
ANALYSIS METHOD	VİRUCİDAL ANALYSIS	
ANALYSIS RESULTS	Appendix 1/ PR-13-FR-45-03 Virucidal Test Result Form	
Date: 26.06.2020 Analyst Murat ERTÜRK  Date: 26.06.2020 Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK  Date: 26.06.2020 Report Prepared by Gamze DİNÇER CENGİZ 		
DOCUMENT NUMBER PR-13-FR-41-02	RELEASE DATE 01.10.2019	REVISION DATE 06.06.2020
	REVISION NO 02	PAGE 1/2

	ANTİMİKROP ARGE VE BİYOSİDAL ANALİZ MERKEZİ		 TESTING LABORATORY ISO/IEC 17025:2017 NAC-012-TL	
MICROBIOLOGICAL ANALYSIS RESULT REPORT				
APPENDIX 1: RESULTS				
ANALYSIS TYPE AND METHOD	MICROORGANISM USED	RESULT	BACTERICIDAL EFFECT (DECREASE %)	CONTACT TIME
BACTERICIDAL ANALYSIS	<i>P. aeruginosa</i>	-	-	-
	<i>E. hirae</i>	-	-	-
	<i>S. aureus</i>	-	-	-
	<i>E. coli</i>	-	-	-
	<i>E. coli K12</i>	-	-	-
	<i>B. subtilis</i>	-	-	-
VIRUCIDAL ANALYSIS	MICROORGANISM USED	RESULT	VIRUCIDAL EFFECT (DECREASE %)	CONTACT TIME
	<i>Poliovirus Type 1 (LSc 2ab strain) *</i>	4,16 LOG	>%99,99	2 MIN.
	<i>Adenovirus Type 5 (Adenoid 75 strain) *</i>	5,00 LOG	>%99,999	2 MIN.
	<i>M. Norovirus (S99 Berlin strain) *</i>	8,67 LOG	>%99,9999999	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 <i>DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES</i> 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 NUMBER PR-13-FR-41-02	RELEASE DATE 01.10.2019	REVISION DATE 06.06.2020	REVISION NO 02	PAGE 2/2

	ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ		
TEST RESULTS (Virucidal Test)			
Test Name:	Evaluation of virus killing effectiveness of Bİ-20-0085 coded product according to TS EN 14476 A1 (September 2019)		
Product Name:	DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	Product Code:	Bİ-20-0085 (SUDUM-V-0042)
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	22.06.2020		
Test Conditions:	Instruction to Use	RTU-Modified Method (97%) (Ready to use)	
	Diluent	-	
	Test Density	100 % Concentration	
	Appearance When Reconstituted	-	
	Contact Time	2 Minute	
	Test Temperature	20 °C	
	Interfering Substance	Clean Conditions: 0.3 g / l Bovine Albumin Solution	
	Appearance of the Test Item	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution Neutralization	
	Test Organism	Poliovirus Type 1 (LSc 2ab strain)	
	Test Cell	VERO cell line	
Analyst	Name/Surname: Murat ERTÜRK	Signature : 	
Figure 1. The virucidal effect of DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES against Poliovirus Tip 1 in clean conditions			
 The bar chart displays the virucidal effect of DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES against Poliovirus Tip 1. The Y-axis represents Log₁₀CID₅₀ (0 to 10), and the X-axis represents Contact Time (2 MIN, 30 MIN, 60 MIN). The legend indicates three series: DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES (blue), Formaldehyde (orange), and Virus Control (grey). The DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES series shows a significant reduction in Log₁₀CID₅₀ over time, reaching approximately 4.5 at 2 MIN, 0.5 at 30 MIN, and 0 at 60 MIN. The Formaldehyde series shows a reduction from approximately 6.5 at 2 MIN to 0 at 30 MIN and 60 MIN. The Virus Control series remains at approximately 8.5 throughout the 60 MIN period.			
DOCUMENT NUMBER PR-13-FR-45-03	RELEASE DATE 09.07.2019	REVISION DATE 13.04.2020	REVISION DATE 02 PAGE 1/3

		ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ							 TESTING LABORATORY ISO/IEC 17025:2017 NAC-013-TL	
TEST RESULTS (Virucidal Test)										
Test	Density	Cytotoxicity (log)	After 1-2-5-15-30-60 Minutes Log TCID50						After 2 Minutes > 4 lg Reduction	
			1	2	5	15	30	60		
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	0,5	-	4,67	-	-	-	-	≥4,16	
Formaldehyde	1,4 %	0,5	-	-	-	-	5,83	3,83	-	
Virus Control	-	-	-	8,83	-	-	-	-	-	
Test	Density	Contact Time	Dilution (Log) ^a							
			-2	-3	-4	-5	-6	-7	-8	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	2 Minute	444444	444344	02000	000000	000000	000000	000000	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES Cytotoxicity	RTU (97%)	-	000000	000000	000000	000000	000000	000000	000000	
Formaldehyde	1,4 %	30 Minute	444444	444444	433333	020001	000000	000000	000000	
		60 Minute	444444	001001	000000	000000	000000	000000	000000	
Formaldehyde Cytotoxicity	1,4 %	-	000000	000000	000000	000000	000000	000000	000000	
Virus Control	-	2 Minute	444444	444444	444444	444444	444444	442444	400004	
DOCUMENT NUMBER PR-13-FR-45-03		RELEASE DATE 09.07.2019		REVISION DATE 13.04.2020		REVISION DATE 02		PAGE 2/3		
ANTİMİKROP ANTİBİYOTİK VE BİYOSİDAL ANALİZ MERKEZİ										

**ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ****TEST RESULTS (Virucidal Test)****RESULT**

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 **DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES** when tested at RTU (ready-to-use) possesses virucidal activity in 120 seconds at 20 °C under clean conditions for the reference strain of Poliovirus Type 1 virus.

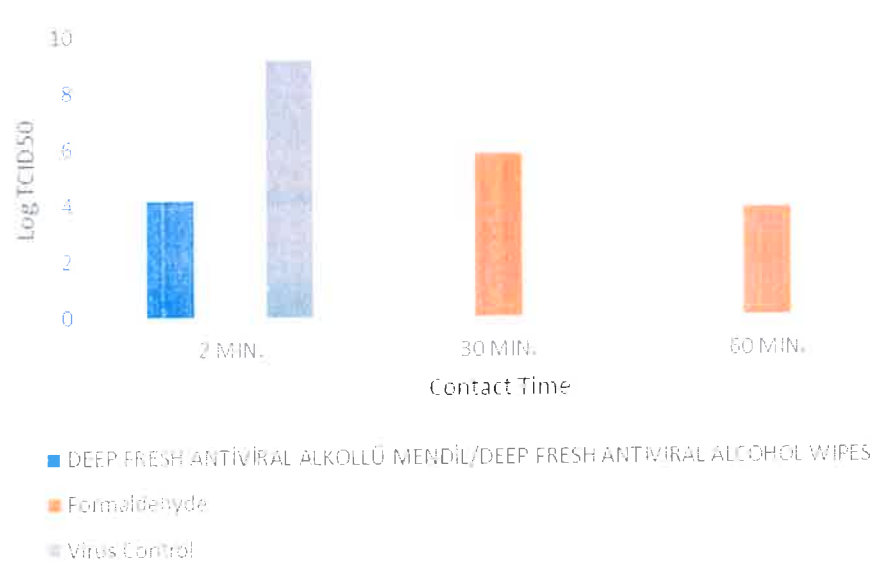
DATE: 26.06.2020

ANKARA

Manager, Microbiological Analysis Laboratory Uzman Bio. Fulya PAK	Responsible for QMS Nihon Sevan Eroglu	Responsible Manager Sorumlu Yönetici Prof. Dr. Mustafa ERTÜRK
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ANTİMİKROP ANTİMİKROBİYAL MAD. LAB.
AR-GE MÜH. Y. DANIŞMANLIK SAN. TİC. LTD. ŞTİ.
Nasuh Akar Mah. Süleyman Hocaosmanoğlu Cad. No:37/1
Çankaya / ANKARA
Hizmet V.D. No: 070 031 8715 Mersis No: 0070031871500013

DOCUMENT NUMBER PR-13-FR-45-03	RELEASE DATE 09.07.2019	REVISION DATE 13.04.2020	REVISION DATE 02	PAGE 3/3
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	ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ		
	TEST RESULTS (Virucidal Test)		
Test Name:	Evaluation of virus killing effectiveness of Bİ-20-0085 coded product according to TS EN 14476 A1 (September 2019)		
Product Name:	DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	Product Code:	Bİ-20-0085 (SUDUM-V-0042)
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	22.06.2020		
Test Conditions:	Instruction to Use	RTU-Modified Method (97%) (Ready to use)	
	Diluent	-	
	Test Density	100 % Concentration	
	Appearance When Reconstituted	-	
	Contact Time	2 Minute	
	Test Temperature	20 °C	
	Interfering Substance	Clean Conditions: 0.3 g / l Bovine Albumin Solution	
	Appearance of the Test Item	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution Neutralization	
	Test Organism	Adenovirus Type 5 (Adenoid 75)	
	Test Cell	VERO cell line	
Analyst	Name/Surname: Murat ERTÜRK	Signature : 	
Figure 1. The virucidal effect of DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES against Adenovirus Type 5 in clean conditions			
 Log TCID50 Contact Time 2 MIN. 30 MIN. 60 MIN. ■ DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES ■ Formaldehyde ■ Virus Control			
DOCUMENT NUMBER PR-13-FR-45-03	RELEASE DATE 09.07.2019	REVISION DATE 13.04.2020	REVISION DATE 02
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		ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ								
		TEST RESULTS (Virucidal Test)							TESTING LABORATORY ISO/IEC 17025:2017 NAC-013-TL	
Test	Density	Cytotoxicity (log)	After 1-2-5-15-30-60 Minutes Log TCID50						After 2 Minutes > 4 lg Reduction	
			1	2	5	15	30	60		
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	0,5	-	4,17	-	-	-	-	≥5,00	
Formaldehyde	1,4 %	0,5	-	-	-	-	5,83	3,83	-	
Virus Control	-	-	-	9,17	-	-	-	-	-	
Test	Density	Contact Time	Dilution (Log) ^a							
			-2	-3	-4	-5	-6	-7	-8	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	2 Minute	444444	321020	000000	000000	000000	000000	000000	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES Cytotoxicity	RTU (97%)	-	000000	000000	000000	000000	000000	000000	000000	
Formaldehyde	1,4 %	30 Minute	444444	444444	433333	020001	000000	000000	000000	
		60 Minute	444444	001001	000000	000000	000000	000000	000000	
Formaldehyde Cytotoxicity	1,4 %	-	000000	000000	000000	000000	000000	000000	000000	
Virus Control	-	2 Minute	444444	444444	444444	444444	444444	444444	432100	
DOCUMENT NUMBER PR-13-FR-45-03		RELEASE DATE 09.07.2019		REVISION DATE 13.04.2020		REVISION DATE 02		PAGE 2/3		
ANTİMİKROP ANTİMİKROP										

**ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ****TEST RESULTS (Virucidal Test)****RESULT**

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 **DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES** when tested at RTU (ready-to-use) possesses virucidal activity in 120 seconds at 20 °C under clean conditions for the reference strain of Adenovirus Type 5 virus.

DATE: 26.06.2020

ANKARA

Manager, Microbiological Analysis Laboratory Uzman Bio. Folge Pak <i>[Signature]</i>	Responsible for QMS Nihan Selma Ercan <i>[Signature]</i>	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK ANTİMİKROP ANTİMİKROBİYAL MAD. LAB. AR-GE / MÜH. VE SAN. HİZ. KİMYA SAN. TİC. LTD. ŞTİ. Nasuh Akar Mah. Süleyman Hacıabdullahoğlu Cad. No:37/1 Çankaya / ANKARA Hitt V.D. No: 070 031 6715 Mersis No: 0070031871502013
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<u>DOCUMENT NUMBER</u> PR-13-FR-45-03	<u>RELEASE DATE</u> 09.07.2019	<u>REVISION DATE</u> 13.04.2020	<u>REVISION DATE</u> 02	<u>PAGE</u> 3/3
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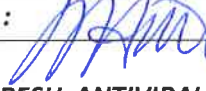
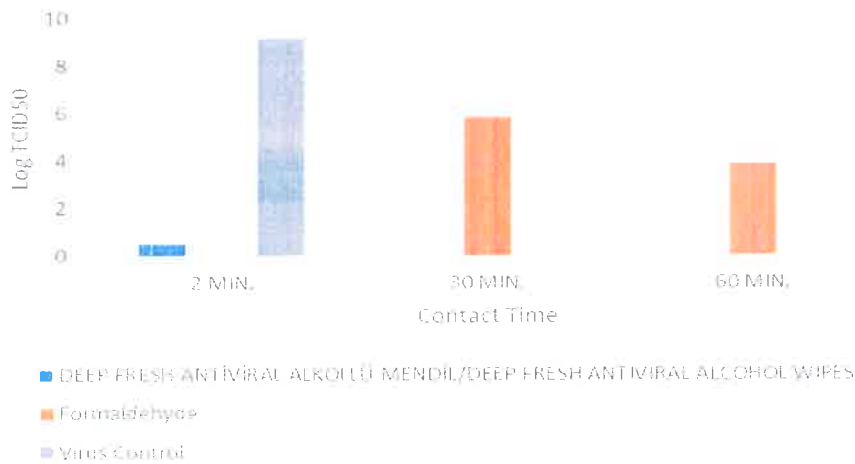
	ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ TEST RESULTS (Virucidal Test)		
Test Name:	Evaluation of virus killing effectiveness of Bİ-20-0085 coded product according to TS EN 14476 A1 (September 2019)		
Product Name:	DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTIVIRAL ALCOHOL WIPES	Product Code:	Bİ-20-0085 (SUDUM-V0042)
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	23.06.2020		
Test Conditions:	Instruction to Use	RTU-Modified Method (97%) (Ready to use)	
	Diluent	-	
	Test Density	100 % Concentration	
	Appearance When Reconstituted	-	
	Contact Time	2 Minute	
	Test Temperature	20 °C	
	Inhibitive	Clean Conditions: 0.3 g / l Bovine Albumin Solution	
	Appearance of the Test Item	-	
	Incubation Temperature	37 °C	
	Neutralization Method	Dilution Neutralization	
	Test Organism	Murine Norovirus (S99 Berlin strain)	
	Test Cell	RAW Cell Line	
Analyst	Name/Surname: Murat ERTÜRK	Signature :	

Figure 1. The virucidal effect of DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTIVIRAL ALCOHOL WIPES against Murine Norovirus in clean conditions



Contact Time	DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTIVIRAL ALCOHOL WIPES	Formaldehyde	Virus Control
2 MIN.	~0.5	~0.5	~9.5
30 MIN.	~0.5	~6.0	~9.5
60 MIN.	~0.5	~4.0	~9.5

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		ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ							 TESTING LABORATORY ISO/IEC 17025:2017 NAC-013-TL	
TEST RESULTS (Virucidal Test)										
Test	Density	Cytotoxicity (log)	After 1-2-5-15-30-60 Minutes Log TCID50						After 2 Minutes > 4 lg Reduction	
			1	2	5	15	30	60		
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	0,5	-	0,5	-	-	-	-	≥8,67	
Formaldehyde	1,4 %	0,5	-	-	-	-	5,83	3,83	-	
Virus Control	-	-	-	9,17	-	-	-	-	-	
Test	Density	Contact Time	Dilution (Log) ^a							
			-2	-3	-4	-5	-6	-7	-8	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES	RTU (97%)	2 Minute	000000	000000	000000	000000	000000	000000	000000	
DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES Cytotoxicity	RTU (97%))	-	000000	000000	000000	000000	000000	000000	000000	
Formaldehyde	1,4 %	30 Minute	444444	444444	433333	020001	000000	000000	000000	
		60 Minute	444444	001001	000000	000000	000000	000000	000000	
Formaldehyde Cytotoxicity	1,4 %	-	000000	000000	000000	000000	000000	000000	000000	
Virus Control	-	2 Minute	444444	444444	444444	444444	444444	444444	301220	
DOCUMENT NUMBER PR-13-FR-45-03		RELEASE DATE 09.07.2019		REVISION DATE 13.04.2020		REVISION DATE 02		PAGE 2/3		

**ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ****TEST RESULTS (Virucidal Test)****RESULT**

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 **DEEP FRESH ANTİVİRAL ALKOLLÜ MENDİL/DEEP FRESH ANTİVİRAL ALCOHOL WIPES** when tested at RTU (ready-to-use) possesses virucidal activity in 120 seconds at 20 °C under clean conditions for the reference strain of Murine Norovirus virus.

DATE: 26.06.2020

ANKARA

Manager, Microbiological Analysis Laboratory Uzman Bio. Fulya PAK	Responsible for QMS Nihan SARAY EROĞLU	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK
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ANTİMİKROP AR-GE VE BİYOSİDAL ANALİZ MERKEZİ
AR-GE, İMH. VE DAB. HİZ. KİMYA SAN. TİC. LTD. ŞTİ.
Nasrettin Akar Mah. Süleyman Hacıabdullahoğlu Cad. No:37/1
Çankaya / ANKARA
Hizmet V.D. No: 070 031 8715 Mersis No: 0070031571500017

DOCUMENT NUMBER PR-13-FR-45-03	RELEASE DATE 09.07.2019	REVISION DATE 13.04.2020	REVISION DATE 02	PAGE 3/3
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