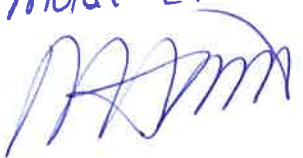


	ANTİMİKROP ARGE VE BİYOSİDAL ANALİZ MERKEZİ			
	MICROBIOLOGICAL ANALYSIS RESULT REPORT			
REGISTRATION NUMBER	R-20-0163			
REPORT DATE	02.09.2020			
SAMPLE REGISTRATION NUMBER	Bİ-20-0163 (SUDUM-CV-0072)			
NAME OF THE PRODUCT PRODUCT / LICENSE OWNER	DEEP FRESH ANTIVIRAL ALCOHOL WIPES AKSAN KOZMETİK SAN. VE TİC. A.Ş.			
ACTIVE SUBSTANCE COMPOSITION	EtOH (75 % v/v)			
FORMULATION	-			
PACKING MATERIAL	Wet Wipes			
SAMPLE ARRIVAL DATE	13.08.2020			
INSTITUTION SENDING THE SAMPLE TEST PURPOSE, THE SEAL STATUS and THE QUANTITY	AKSAN KOZMETİK SAN. VE TİC. A.Ş. Biocidal Analysis-Unsealed			
SAMPLE PRODUCTION PLACE ADDRESS	AKSAN KOZMETİK SAN. VE TİC. A.Ş. Delikkaya Mah. Kısıklı Cad. No:23/25A Arnavutköy/İSTANBUL			
PRODUCTION AND EXPIRATION DATE	07.08.2020-07.08.2022			
SAMPLE CHARGER / SERIAL NUMBER	-			
ANALYSIS START AND END DATE	28.08.2020-01.09.2020			
ANALYSIS METHOD	Virucidal Analysis			
ANALYSIS RESULTS	Appendix 1/ PR-13-FR-45-03 Virucidal Test Result Form			
Date: 02.09.2020 Analyst Murat ERTÜRK  Date: 02.09.2020 Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK ANTİMİKROP ANTİMİKROBİYAL MAD.LAB. AR-GE MÜH. VE DAN. HİZ. KİMYA SAN. TİC.LTD.ŞTİ. Nasuh Akar Mah. Süleyman Hacı Abdullahoğlu Cad. No:37/1 Balgat - Çankaya / ANKARA HİTİT V. D. No: 070 031 8715 Mersis No: 0070031871500013 Date: 02.09.2020 Report Prepared by Gamze Dincer Cengiz 				
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****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</i> K12	-	-	-
	<i>B. subtilis</i>	-	-	-

	MICROORGANISM USED	RESULT	VIRUCIDAL EFFECT (DECREASE %)	CONTACT TIME
VIRUCIDAL ANALYSIS	<i>Poliovirus Type 1 (LSc 2ab strain) *</i>	-	-	-
	<i>Adenovirus Type 5 (Adenoid 75 strain) *</i>	-	-	-
	<i>M. Norovirus (S99 Berlin strain) *</i>	-	-	-
	<i>COVID-19 (SARS-CoV-2) (Clinical isolate)</i>	4,84 LOG	>99,99%	2 MIN.
		5,00 LOG	>99,99%	15 MIN.

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

SUMMARY OF ANALYSIS METHOD

Virucidal tests with DEEP FRESH ANTIVIRAL ALCOHOL WIPES were performed according to TS EN 14476 + A1: 2019-09 standards against *COVID-19 (SARS-CoV-2) (Clinical isolate)* at 20 °C for a 2 and 15 minutes contact time under clean conditions (0.3 g / l bovine albumin solution).

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

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AR-GE MÜH. VE DAN. HİZ. KİMYA SAN. TİC. LTD. ŞTİ.
Nasuh Akar Mah. Süleyman Paşa Ada Mahallesi Kat: No:37/1
Balçık - Çankaya / ANKARA
HİZMET V.D. No: 070 031 8715 Mersis No: 0070031871500013

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

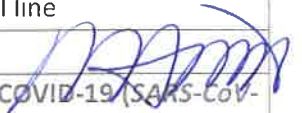
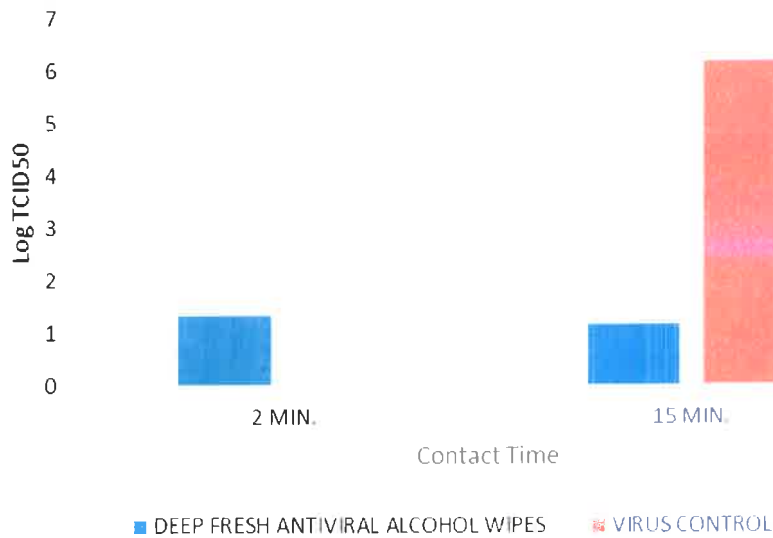
Test Name:	Evaluation of virus killing effectiveness of Bİ-20-0163 coded product according to TS EN 14476 A1 (September 2019)		
Product Name:	DEEP FRESH ANTIVIRAL ALCOHOL WIPES	Product Code:	Bİ-20-0163 (SUDUM-CV-0072)
Test Standard:	TS EN 14476+A1:2019-09		
Test Date:	28.08.2020		
Test Conditions:	Instruction to Use	Ready to use	
	Diluent	-	
	Test Density	97 % Concentration	
	Appearance When Reconstituted	-	
	Contact Time	2-15 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 Neutralisation	
	Test Organism	COVID-19 (SARS-CoV-2) (Clinical Isolate)	
	Test Cell	VERO E6 cell line	
Analyst	Name/Surname: Murat ERTÜRK	Signature :	

Figure 1. The virucidal effect of DEEP FRESH ANTIVIRAL ALCOHOL WIPES against COVID-19 (SARS-CoV-2) (Clinical Isolate) in clean conditions



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

Test	Density	Cytotoxicity (log)	After 1-2-5-10-15-20 minutes Log TCID50						After 2 and 15 minutes > 4 lg Reduction
			1	2	5	10	15	20	
DEEP FRESH ANTIVIRAL ALCOHOL WIPES	RTU (97%)	3,5	-	1,33	-	-	1,17	-	4,84 (2 Min.) 5,00 (15 Min.)
Virus Control	-	-	-	-	-	-	6,17	-	

Test	Density	Contact Time	Dilution (Log) ^a						
			-2	-3	-4	-5	-6	-7	-8
DEEP FRESH ANTIVIRAL ALCOHOL WIPES	RTU (97%)	2 Minutes	043444	000000	000000	000000	000000	000000	000000
		15 Minutes	434004	000000	000000	000000	000000	000000	000000
DEEP FRESH ANTIVIRAL ALCOHOL WIPES Cytotoxicity	RTU (97%)	-	443444	000000	000000	000000	000000	000000	000000
Virus Control	-	15 Minutes	444444	444444	444444	044404	033203	000000	000000

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AR-GE MÜH. VE DAN. HİZ. KİMYA SAN. TİC. LTD. ŞTİ.
Nasuh Akar Mah. Süleyman Naci Abdullazizoglu Cad. No: 377
Balgat - Çankaya / ANKARA
HİTİT V.D. No: 070 031 8715 Mersis No: 0670031871500013

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**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 ANTIVIRAL ALCOHOL WIPES** when tested at RTU (ready-to-use) possesses virucidal activity in 2 and 15 minutes at 20°C under clean conditions for the reference strain of COVID-19 (SARS-CoV-2) (Clinical Isolate) virus.

DATE: 02.09.2020
ANKARA

Manager, Microbiological Analysis Laboratory Uzman Bio. Fülya PAK	Responsible for QMS Nihan SEVEN ERGÖLÜ	Responsible Manager Sorumlu Yönetici Prof. Dr. Murat ERTÜRK ANTİMİKROP ANTİMİKROBİYAL MAD. LAB. AR-GE MÜH. VE DAK. HİZ. KİMYA SAN. TİC. LTD. ŞTİ. Yasın Akar Mah. Süleyman Paşa Abdullahoğlu Cad. No: 37/1 Balgat - Çankaya / ANKARA Tic. Sic. No: 070 031 8715 Mersis No: 0070031971500013
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