COSMİNG LABORATUVAR BİLGİ YÖNETİM EĞİTİM DANIŞMANLIK SAN.TİC.LTD ŞTİ

BIOCIDAL PRODUCT MICROBIOLOGICAL ACTIVITY REPORT

Report Registration Number	: **CLABME20021**
Product Full Name	: Lote M-202 70% Alcohol Wet Wipe
Product License Holder	:
Active Substance Rates	: 70% Ethyl alcohol
Formulation Form	: Wet wipes
Type of Packaging Material	: Other
Sample Arrival Date	: 23.06.2020
Authority Sending the Sample	: GÜRPAK AMBALAJ VE GIDA SAN. TİC. LTD. ŞTİ.
How the Sample Comes (Sealed/Unsealed)	: Special request, Unsealed
Address from where the samples taken or production	: Çarşı Mah. Süha Sok. No: 12 Yakacık-Kartal/İSTANBUL/TURKEY
Sample Charge/Serial No	: -
Production and Expiry Date of the Sample	: 06.20 / -
Contact Time	: 1 minute ve 15 minutes
Application Dose	: 100%
Neutralizing	: Lecithin, Saponin, Polysorbate 80 (Polysorbate 80, 30 g/l + saponin,30 g/l + lecithin, 3 g/l.)
Plate Count Method	: Spreading plate
Analysis Temperature	: 20 °C
Experiment Start and End Date	: 23.06.2020-02.07.2020
Reporting Date	: 02.07.2020
Experiment Results	: Table 1, Table 2, Table 3
Comment	: According to TS EN 1276 and TS EN 1650 Standards, 99.99% effect was determined in the tests of the above mentioned product at 100% concentration on microorganisms specified in Tables 1, 2 and 3.

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Table 1:

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Pseudomonas aeruginosa ATCC 15442	Vc1	56	Vc1	74	Vc1	68	Vc1	72
	Vc2	50	Vc2	72	Vc2	62	Vc2	70
	X	53	X	73	X	65	X	71
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		7,17≤logNo≤7,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		4,5E+8	8,7	3,8E+7	7,6	LogNo	YES	
		4,2E+8	8,6	3,5E+7	7,5			

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Escherichia coli ATCC 10536	Vc1	68	Vc1	53	Vc1	56	Vc1	65
	Vc2	60	Vc2	52	Vc2	54	Vc2	61
	X	64	X	53	X	55	X	63
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		7,17≤logNo≤7,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		4,6E+8	8,7	4,1E+7	7,6	LogNo	YES	
		4,7E+8	8,7	3,9E+7	7,6			

BIOCIDAL PRODUCT MICROBIOLOGICAL ACTIVITY REPORT

Table 1: continued

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Staphylococcus aureus ATCC 6538	Vc1	60	Vc1	73	Vc1	68	Vc1	50
	Vc2	62	Vc2	70	Vc2	65	Vc2	49
	X	61	X	72	X	67	X	50
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		7,17≤logNo≤7,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		4,5E+8	8,7	4,3E+7	7,6	LogNo	YES	
		4,0E+8	8,6	4,0E+7	7,6			

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Enterococcus hirae ATCC 10541	Vc1	38	Vc1	42	Vc1	52	Vc1	36
	Vc2	35	Vc2	40	Vc2	50	Vc2	32
	X	37	X	41	X	51	X	34
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		7,17≤logNo≤7,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		4,0E+8	8,6	4,3E+7	7,6	LogNo	YES	
		3,5E+8	8,5	4,0E+7	7,6			

BIOCIDAL PRODUCT MICROBIOLOGICAL ACTIVITY REPORT

Table 1: continued

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Candida albicans ATCC 10231	Vc1	58	Vc1	50	Vc1	52	Vc1	56
	Vc2	55	Vc2	48	Vc2	50	Vc2	54
	X	57	X	49	X	51	X	55
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		6,17≤logNo≤6,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		4,0E+7	7,6	3,8E+6	6,5	LogNo	YES	
		4,1E+7	7,6	3,5E+6	6,5			

	Verification Suspension (30≤X≤160) YES/NO?		Control of Experimental Conditions (A) (AX≥0,5*NVo X) YES/NO?		Neutralizer Control (B) (BX≥0,5*NVo X) YES/NO?		Method Verification (C) (CX≥0,5*NVo X) YES/NO?	
Aspergillus brasiliensis ATCC 16404	Vc1	52	Vc1	50	Vc1	52	Vc1	48
	Vc2	48	Vc2	49	Vc2	50	Vc2	46
	X	50	X	50	X	51	X	47
	YES		YES		YES		YES	
	Test Suspension	NX wm		No Xwm		6,17≤logNo≤6,70?		
		N(Vc)	LogN	No(Vc)	LogNo			
		3,8E+7	7,5	3,7E+6	6,5			

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BIOCIDAL PRODUCT MICROBIOLOGICAL ACTIVITY REPORT

Table 2:

Sample ID	60% ethanol control									
Strains / Bacteria	Method	Spike (cfu/ml)	Contact Time (minute)	First Count (cfu/ml) Log (N0)		Final Count (kob/ml) Log (Na)		Log Reduction (cfu/ml) LogR	Range	Activity %
				TVC1 Count	Log10 TC1	TCV2 Count	Log10 TC2			
P. aeruginosa ATCC 15442	TS EN 1276	4,0E+7	1	4,0E+7	7,6E+0	1,0E+0	0,0E+0	8	>5	99,99%
E. coli ATCC 10536		4,5E+7	1	4,5E+7	7,7E+0	1,0E+0	0,0E+0	8	>5	99,99%
S. aureus ATCC 6538		2,2E+7	1	2,2E+7	7,3E+0	1,0E+0	0,0E+0	7	>5	99,99%
E. hirae ATCC 10541		2,4E+7	1	2,4E+7	7,4E+0	1,0E+0	0,0E+0	7	>5	99,99%
Fungi										
C. albicans ATCC 10231	TS EN 1650	3,0E+7	15	3,0E+7	7,5E+0	1,0E+0	0,0E+0	7	>4	99,99%
Aspergillus brasiliensis ATCC 16404		2,0E+6	15	2,0E+6	6,3E+0	1,0E+0	0,0E+0	6	>4	99,99%

BIOCIDAL PRODUCT MICROBIOLOGICAL ACTIVITY REPORT

Table 3:

Sample ID	CLABME20021									
Strains / Bacteria	Method	Spike (cfu/ml)	Contact Time (minute)	First Count (cfu/ml) Log (N0)		Final Count (kob/ml) Log (Na)		Log Reduction (cfu/ml) LogR	Range	Activity %
				TVC1 Count	Log10 TC1	TCV2 Count	Log10 TC2			
P. aeruginosa ATCC 15442	TS EN 1276	4,0E+7	1	2,0E+7	7,3E+0	1,0E+0	0,0E+0	7	>5	99,99%
E. coli ATCC 10536		4,5E+7	1	3,0E+7	7,5E+0	1,0E+0	0,0E+0	7	>5	99,99%
S. aureus ATCC 6538		2,2E+7	1	3,0E+7	7,5E+0	1,0E+0	0,0E+0	7	>5	99,99%
E. hirae ATCC 10541		2,4E+7	1	2,8E+7	7,4E+0	1,0E+0	0,0E+0	7	>5	99,99%
Fungi										
C. albicans ATCC 10231	TS EN 1650	3,0E+7	15	1,0E+7	7,0E+0	1,0E+0	0,0E+0	7	>4	99,99%
Aspergillus brasiliensis ATCC 16404		2,0E+6	15	2,0E+6	6,3E+0	1,0E+0	0,0E+0	6	>4	99,99%

TC/TVC: Count Result
N: Number of Initial Microorganisms
No: First Count Number of Microorganisms
Na: Number of Microorganisms After Reduction
R: Logarithmic Reduction

Stamp

Kozmetik Analiz Laboratuvarı COSMİNG

Date
02.07.2020

Analyst

Laboratory Specialist
Microbiologist
Cansu AYDOĞAN

Control / Approved by

Laboratory Manager
MSc Chemist
Aylin KAHRIMAN