

Overall Rating

PASSED / GEÇER

Report No/ Rapor No : 2019062506
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Sample ID :

PANEL GUARD, PANEL GUARD LITE

	SAMPLE	INSPECTION	METHOD	RESULT
*	PANEL GUARD	ANTIBACTERIAL	TS 13420	PASS
*	PANEL GUARD LITE	ANTIBACTERIAL	TS 13420	PASS



Seal

K. rueli

Customer Representative
Merve Nur KIRVELİ



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Inspection results, methods and other information about the sample shown in the relevant pages of this Report are based on the information specified in accordance with "Inspection Request Form (PR03-F01) conveyed to us from the Applicant. Inspection results are valid for the sample as identified above. Sample may not represent the lot which it belongs. This Report does not replace a Product Certificate. Full report or any part of it may not be reproduced or used for any other purpose without the written permission of EUROLAB Laboratory. Sampling has not been done by us. Unsigned and unsealed Reports are invalid. Analysis as indicated with "*" are in the Scope of our Accreditation Certificate issued from UAF according to TS EN ISO/IEC 17020, Analysis as indicated with "**" are performed at the external laboratories using accredited inspection methods according to TS EN ISO/IEC 17020 from EUROLAB. Possible extra notes may add with starting N1 to related pages. Inspection and remaining samples will be kept in specified terms & conditions at inspection request and/or proposal form. Physically, chemically and microbiologically decomposed samples are discarded regardless of the storage period. Applicant can not claim any right in this regard. Results are shown in this Report do not include Measurement Uncertainty values. Measurement Uncertainty values are not taken in consideration during Pass/Fail assessment the of inspection results shown in this Report. Evaluation of the inspection results using Measurement Uncertainty values is the responsibility of the Applicant.

PR33-F01/08.10.2015/Rev:17.01.2017-R01

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Environment / Ortam

The requirements and standards apply to equipment intended for use in / Ürüne uygulanan standartlar ve şartlar aşağıdaki ortamlar için geçerlidir:

X	Residential (domestic) environment / Ev ve benzeri ortam
X	Commercial and light-industrial environment / Ticari ve hafif-endüstriyel ortam
X	Industrial environment / Endüstriyel ortam
X	Medical environment / Tıbbi ortam



1. ANTIBACTERIAL
ISO 13420

Microorganism	Staphylococcus aureus ATCC 6538 P (Gram (+))
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Sample	Name of the Reproduction Microorganism (cfu/cm ²)		Logarithmic Reduction Log (cfu/cm ²)	
	Contact moment (0 h)	After incubation (24 h, 35° C)	Log (A)	Log (B)
Untreated Control	3.75x10 ³	1x10 ⁷	3.57	7

Sample	Result (cfu/cm ²)	Logarithmic Reduction
	(24 h, 35° C)	Log (C) (At)
Treated	1.38x10 ⁷	4,32

Log (R) = B-C	R = 2.68
	Effective

Microorganism	Escherichia Coli ATCC 8739 Gram (-)
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Sample	Name of the Reproduction Microorganism (cfu/cm ²)		Logarithmic Reduction Log (cfu/cm ²)	
	Contact moment (0 h)	After incubation (24 h, 35° C)	Log (A)	Log (B)
Untreated Control	5x10 ³	1.13x10 ⁷	3.69	7.05

Sample	Result (cfu/cm ²)	Logarithmic Reduction
	After incubation (24 h, 35° C)	Log (C) (At)
Treated	1.26x10 ⁷	4.58

Log (R) = B-C	R = 2.47
	Effective

R: Antibacterial activity A: Average logarithmic value of the untreated sample immediately after incubation. (0 hours contact moment) B: Average logarithmic value of untreated sample at the end of 24 hours. A: The average logarithmic value of the processed inspection sample at the end of 24 hours.

General Evaluation; According to ISO 13420 method, antibacterial activity value is R> 2 and PANEL GUARD is antibacterial.



2. ANTIBACTERIAL

ISO 13420

Microorganism	Staphylococcus aureus ATCC 6538 P (Gram (+))
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Sample	Name of the Reproduction Microorganism (cfu/cm ²)		Logarithmic Reduction Log (cfu/cm ²)	
	Contact moment (0 h)	After incubation (24 h, 35° C)	Log (A)	Log (B)
Untreated Control	4.20x10 ³	1x10 ⁷	4.20	7.05

Sample	Result (cfu/cm ²)	Logarithmic Reduction
	After incubation (24 h, 35° C)	Log (C) (At)
Treated	1.48x10 ⁷	4,54

Log (R) = B-C	R = 2.56
	Effective

Microorganism	Escherichia Coli ATCC 8739 Gram (-)
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Sample	Name of the Reproduction Microorganism (cfu/cm ²)		Logarithmic Reduction Log (cfu/cm ²)	
	Contact moment (0 h)	After incubation (24 h, 35° C)	Log (A)	Log (B)
Untreated Control	7x10 ³	1.08x10 ⁷	3.58	7.15

Sample	Result (cfu/cm ²)	Logarithmic Reduction
	After incubation (24 h, 35° C)	Log (C) (At)
Treated	1.17x10 ⁷	4.43

Log (R) = B-C	R = 2.77
	Effective

R: Antibacterial activity A: Average logarithmic value of the untreated sample immediately after incubation. (0 hours contact moment) B: Average logarithmic value of untreated sample at the end of 24 hours. A: The average logarithmic value of the processed inspection sample at the end of 24 hours.

General Evaluation; According to ISO 13420 method, antibacterial activity value is R > 2, PANEL GUARD LITE is antibacterial.

