

BIOLOGICAL/MICROBIOLOGICAL ACTIVITY TEST REPORT

Report Record No	1002020019962/R1	
Product Name	Naturist Antibacterial Gel	
Product / License Holder	Ruhsat sahibi: İyonchem Kimya Teknoloji San. Tic. Ltd. Şti. Ürün sahibi (Üretici): Golf Kimya San. Ve Tic. Ltd. Şti.	
Active ingredients and ratios	Name and amount of active substance (% v / v): Ethyl Alcohol (CAS No: 64-17-5) 70% Excipients (% v / v): Moisturizer 3.00%, Solvent 26.35%, Thickening 0.40%, pH adjuster 0.25%	
Formulation Type	Gel	
Arrival date of Sample	10.7.2020	
Sender	-	
Reason for arrival, shape and quantity of Sample	Analysis, 250 mL x 5 pieces	
Address from which the sample is received	Golf Kimya San. Ve Tic. Ltd. Şti. Velimeşe Org. San. Bölğ. İstasyon mah. Baraj yolu mevkii No:12 Ergene / TEKİRDAĞ	
Production and expiration date of sample	14.04.2020-14.04.2022	
Sample charge/serial no	001	
Starting and ending date of test	18.08.2020 - 11.09.2020	
Target species	-	
Life period of target species	-	
Application area	Hand	
Test method	TS EN 1276, TS EN 1650	
Experimental environment conditions	Bakteria and Fungi 20 °C	
Contact time	Bakteria 1 min; Fungi 15 min	
Waiting time	-	
Waiting environment conditions	-	
Repetition	1	
Application		
Application dose	100%	
Method of effective evaluation	It is presented on the tables indicated in the annex.	
Test results	It is presented on the tables indicated in the annex.	
Interpretation of the analyst	It is presented on the tables indicated in the annex.	
Analyzed by Selçuk TAŞDAN	Date 21.09.2020	Authorized Officer/Responsible Sabahnur DEMİRCİ

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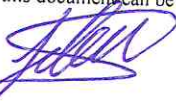
Microbiological Test Results Table

Product type	Naturist Antibacterial Gel (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	2,5 x 10 ⁷ cfu/ ml	
Used test organism	<i>P. aeruginosa</i> (ATCC 15442)	Organisms amount during analysis (log)	7,40	
Used neutralizer(s)	Sodium thiosulphate, 5 g/l + polysorbate 80, 30 g/l + lecithin, 3 g/l. + saponin, 30 g/l + L-histidine, 1 g/l			
Product concentration (%)	Colony number at end of contact time	Colony number at end of contact time (log)	(Organisms amount during analysis)- (Colony number at end of contact time) (log)	Contact time (min)
80	< 140 cfu/ ml	< 2,15	> 5,25	1 min ± 5 sec
Evaluation: The product showed the desired reduction of 5 log in the working concentration and time, and was evaluated as effective against <i>P.aeruginosa</i> .				

Product type	Naturist Antibacterial Gel (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	2,0 x 10 ⁷ cfu/ ml	
Used test organism	<i>S.aureus</i> (ATCC 6538)	Organisms amount during analysis (log)	7,30	
Used neutralizer(s)	Sodium thiosulphate, 5 g/l + polysorbate 80, 30 g/l + lecithin, 3 g/l. + saponin, 30 g/l + L-histidine, 1 g/l			
Product concentration (%)	Colony number at end of contact time	Colony number at end of contact time (log)	(Organisms amount during analysis)- (Colony number at end of contact time) (log)	Contact time (min)
80	< 140 cfu/ ml	< 2,15	> 5,15	1 min ± 5 sec
Evaluation: The product showed the desired reduction of 5 log in the working concentration and time, and was evaluated as effective against <i>S.aureus</i> .				

Product type	Naturist Antibacterial Gel (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	3,7 x 10 ⁷ cfu/ ml	
Used test organism	<i>E.coli</i> (ATCC 10536)	Organisms amount during analysis (log)	7,57	
Used neutralizer(s)	Sodium thiosulphate, 5 g/l + polysorbate 80, 30 g/l + lecithin, 3 g/l. + saponin, 30 g/l + L-histidine, 1 g/l			
Product concentration (%)	Colony number at end of contact time	Colony number at end of contact time (log)	(Organisms amount during analysis)- (Colony number at end of contact time) (log)	Contact time (min)
80	< 140 cfu/ ml	< 2,15	> 5,41	1 min ± 5 sec
Evaluation: The product showed the desired reduction of 5 log in the working concentration and time, and was evaluated as effective against <i>E.coli</i>				

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Microbiological Test Results Table

Product type	Naturist Antibacterial Liquid (Type 1)			
Used method	TS EN 1650	Organisms amount during analysis	4,5 x 10 ⁶ cfu/ ml	
Used test organism	<i>C. albicans</i> (ATCC 10231)	Organisms amount during analysis (log)	6,65	
Used neutralizer(s)	Sodium thiosulphate, 5 g/l + Polysorbate 80, 30 g/l + Lecithin, 3 g/l. + Saponin, 30 g/l + L-histidine, 1 g/l			
Product concentration (%)	Colony number at end of contact time	Colony number at end of contact time (log)	(Organisms amount during analysis)- (Colony number at end of contact time) (log)	Contact time (min)
80	< 140 cfu/ ml	< 2,15	> 4,50	15 min ± 10 sec
Evaluation: The product showed the desired reduction of 4 log in the working concentration and time, and was evaluated as effective against <i>C.albicans</i>				

Product type	Naturist Antibacterial Gel (Type 1)			
Used method	TS EN 1650	Organisms amount during analysis	2,3 x 10 ⁶ cfu/ ml	
Used test organism	<i>A. brasiliensis</i> (ATCC 16404)	Organisms amount during analysis (log)	6,36	
Used neutralizer(s)	Sodium thiosulphate, 5 g/l + Polysorbate 80, 30 g/l + Lecithin, 3 g/l. + Saponin, 30 g/l + L-histidine, 1 g/l			
Product concentration (%)	Colony number at end of contact time	Colony number at end of contact time (log)	(Organisms amount during analysis)- (Colony number at end of contact time) (log)	Contact time (min)
80	< 140 cfu/ ml	< 2,15	> 4,21	15 min ± 10 sec
Evaluation: The product showed the desired reduction of 4 log in the working concentration and time, and was evaluated as effective against <i>A.brasiliensis</i> .				

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