

BIOLOGICAL/MICROBIOLOGICAL ACTIVITY TEST REPORT

Report Record No	1002020014463/R3	
Product Name	Naturist Liquid Hand and Skin Disinfectant	
Product / License Holder	Ruhsat Sahibi: İyonchem Kimya Teknoloji San. Tic. Ltd. Şti. Ürün Sahibi (Üretici): Mors Kozmetik San ve Tic Ltd. Şti.	
Active ingredients and ratios	Name and amount of active substance (% v / v): Ethyl Alcohol (CAS No: 64-17-5) 75.00% Excipients (% v / v): Moisturizer 3.00%, Solvent 22.00%	
Formulation Type	Liquid	
Arrival date of Sample	22.5.2020	
Sender	-	
Reason for arrival, shape and quantity of Sample	Analysis, 100 mL x 5 pieces	
Address from which the sample is received	Mors Kozmetik San ve Tic Ltd. Şti. İğneler Mah. Kocasinan cad. No:28 Ergene/TEKİRDAĞ	
Production and expiration date of sample	22.05.2020-22.05.2022	
Sample charge/serial no	1	
Starting and ending date of test	19.06.2020 - 22.06.2020	
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	Pour 3 ml in your palm. Rub your hands for 60 seconds.	
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 23.09.2020	Authorized Officer/Responsible Sabahnur DEMİRCİ

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample

Kalite Sistem Merieux Nutrisciences

Microbiological Test Results Table

Product type	Naturist Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	1,8 x 10 ⁷ cfu/ ml	
Used test organism	<i>P. aeruginosa</i> (ATCC 15442)	Organisms amount during analysis (log)	7,25	
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	> 5,10	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 Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	1,6 x 10 ⁷ cfu/ ml	
Used test organism	<i>S.aureus</i> (ATCC 6538)	Organisms amount during analysis (log)	7,20	
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	> 5,05	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 Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	1,7 x 10 ⁷ cfu/ ml	
Used test organism	<i>E.coli</i> (ATCC 10536)	Organisms amount during analysis (log)	7,23	
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	> 5,08	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>				

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample

Kalite Sistem Merieux Nutrisciences

Microbiological Test Results Table

Product type	Naturist Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1276	Organisms amount during analysis	3,7 x 10 ⁷ cfu/ ml	
Used test organism	<i>E.hirae</i> (ATCC 10541)	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	> 5,42	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.hirae</i>				

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample

Kalite Sistem Merieux Nutrisciences

Microbiological Test Results Table

Product type	Naturist Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1650	Organisms amount during analysis	1,9 x 10 ⁶ cfu/ ml	
Used test organism	<i>C. albicans</i> (ATCC 10231)	Organisms amount during analysis (log)	6,28	
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	> 4,13	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 Liquid Hand and Skin Disinfectant (Type 1)			
Used method	TS EN 1650	Organisms amount during analysis	1,7 x 10 ⁶ cfu/ ml	
Used test organism	<i>A. brasiliensis</i> (ATCC 16404)	Organisms amount during analysis (log)	6,23	
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	> 4,08	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> .				

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample



Kalite Sistem Merieux Nutrisciences

Merkez: Ar Plaza B Blok No.16 Kozyatağı 34742 İstanbul / Türkiye Tel: +90 216 445 27 27 Fax: +90 216 416 07 08




Bölge: Mansuroğlu Mah. 1593/1 Sok. Lider Centro Ofis K:5 D:47 Bayraklı İzmir / Türkiye Tel: +90 232 328 28 44 Fax: +90 232 328 28 74

ML-2.13-F88 Rev.0

info@merieuxnutrisciences-tr.com www.merieuxnutrisciences.com.tr

4/6




CHEMICAL ANALYSIS REPORT

Report Registry Number	1002020014463/R3					
Full Name of Product	Naturist Liquid Hand and Skin Disinfectant					
Product/License Holder	License owner:: İyonchem Kimya Teknoloji San. Tic. Ltd. Şti. Product Owner (Manufacturer):Mors Kozmetik San ve Tic Ltd. Şti.					
Formulation Type	Liquid					
Formulation	Name and amount of active substance (% v / v): Ethyl Alcohol (CAS No: 64-17-5) 75.00% Excipients (% v / v): Moisturizer 3.00%, Solvent 22.00%					
Sample Arrival Date	22.5.2020					
Reason of Sampling, Sample Condition and Amount	Analysis, 100 mL x 5 pieces					
Sampling Adress	Mors Kozmetik San ve Tic Ltd. Şti. İğneler Mah. Kocasinan cad. No:28 Ergene/TEKİRDAĞ					
Production and Expiry Date	22.05.2020-22.05.2022					
Charge/serial no	1					
Sender, Date & Article No.	-					
Method of Analysis and Summary	Ethanol: Determined using gas chromatography Appearance, Odor, Color: The product was visually evaluated by physical examination. Determination of pH: The product was measured at 25 ° C with a pH meter. Density: Based on the theoretical density of pure water at 20 ° C, using a picnometer, the density of the sample at the same temperature was determined.					
ANALYSIS RESULTS	Unit	Instrument Used	Limit of Quantitation (LOQ)	Date of Analysis	Legislative Limit (Specified Range)	Analysis Results
Chemical Parameters						
Ethanol	% v/v	GC	-	25.5.2020	73,13-76,88	73,32
Physichal Parameters						
Appearance	-	Physichal Examination	-	22.5.2020	Transparent Liquid	Transparent Liquid
Odor	-	Physichal Examination	-	22.5.2020	Characteristic	Characteristic
Color	-	Physichal Examination	-	22.5.2020	Colorless	Colorless
pH (25°C)	-	pHmeter	-	22.5.2020	5,00-9,00	8,83
Density	g/mL	pcynometer	-	22.5.2020	0,800-0,900	0,872
Evaluation	According to the results found in the analyzes made, the active ingredient in the specified amounts was determined in the product. Physical parameters were found to be within the specified range.					
		Date 23.09.2020				
Analysis Performed By Didem AKSAKAL ÖNAL	Analysis Performed By Gökhan MERCAN			Authorized Officer/Responsible Sabahnur DEMİRCİ		

Our previous analysis report of the same sample dated 03.07.2020 and numbered 1002020014463 / R2 is invalid, it must be destroyed.

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample

ACCELERATED AND LONG TERM STABILITY CHEMICAL ANALYSIS REPORT

Report Registry Number	1002020014463/R3						
Full Name of Product	Naturist Liquid Hand and Skin Disinfectant						
Product/License Holder	License owner: İyonchem Kimya Teknoloji San. Tic. Ltd. Şti. Product Owner (Manufacturer): Mors Kozmetik San ve Tic Ltd. Şti.						
Formulation Type	Liquid						
Formulation	Name and amount of active substance (% v / v): Ethyl Alcohol (CAS No: 64-17-5) 75.00% Excipients (% v / v): Moisturizer 3.00%, Solvent 22.00%						
Sample Arrival Date	22.5.2020						
Reason of Sampling, Sample Condition and Amount	Analysis, 100 mL x 5 pieces						
Sampling Adress	Mors Kozmetik San ve Tic Ltd. Şti. İğneler Mah. Kocasinan cad. No:28 Ergene/TEKİRDAĞ						
Production and Expiry Date	22.05.2020-22.05.2022						
Charge/serial no	1						
Sender, Date & Article No.	-						
Storage Conditions	54 ± 2°C						
Storage Time	14 days						
Method of Analysis and Summary	Ethanol: Determined using gas chromatography Appearance, Odor, Color: The product was visually evaluated by physical examination. Determination of pH: The product was measured at 25 ° C with a pH meter. Density: Based on the theoretical density of pure water at 20 ° C, using a picnometer, the density of the sample at the same temperature was determined.						
ANALYSIS RESULTS	Beginning Value	Unit	Instrument Used	Limit of Quantitation (LOQ)	Date of Analysis	Legislative Limit (Specified Range)	Analysis Results
Chemical Parameters							
Ethanol	73,32	%	HPLC	-	06.06.2020	65.99 - 80.65	75,46
Physical Parameters							
Appearance	Transparent Liquid	-	Physical Examination	-	5.6.2020	Transparent Liquid	Transparent Liquid
Odor	Characteristic	-	Physical Examination	-	5.6.2020	Characteristic	Characteristic
Color	Colorless	-	Physical Examination	-	5.6.2020	Colorless	Colorless
pH (25°C)	8,83	-	pHmeter	-	5.6.2020	5,00-9,00	8,76
Density	0,872	g/mL	pcynometer	-	5.6.2020	0,800-0,900	0,869
Evaluation	According to the results found in the analyzes made, the active ingredient in the specified amounts was determined in the product. Physical parameters were found to be within the specified range.						
				Date 23.09.2020			
Analysis Performed By Didem AKSAKAL ÖNAL	Analysis Performed By Gökhan MERCAN					Authorized Officer/Responsible Sabahnur DEMİRCİ	

Sample Note: 14-day accelerated stability analysis results of the sample with protocol number 1002020014463 / R3.

No parts of this document can be used either alone or separately. Our documents may not be published or reproduced without our permission and unsigned documents are invalid. The results on the document belong only to the analyzed sample