

 GOVERNMENT OF DUBAI	Organization unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document title:	Antimicrobial Effectiveness Longevity Test Report	عنوان الوثيقة:	
	Document ref.:	DM-DCLD-F-CP-2170	رقم الوثيقة:	

Request number	CPTR-2020-0106-M	Report number	TR-1781-2020	Test start	09/11/2020
Request date	09/11/2020	Report date	22/11/2020	Test completion	20/11/2020


Customer information			
Name	Fragrance Delivery Technologies Ltd		
E-mail	saquib@oxygenpowered.com	Phone No.	559463388

Product information			
Name	NATURA AIR SANITIZER		
Manufacturer	Fragrance Delivery Technologies	Bar code	6291104246645
Brand	Oxygen powered	Date of manufacture	18/10/2020
Country of origin	UAE	Batch / Lot.	6030
Quantity	1	Unit	Box
Volume	6	Unit	Units



Laboratory information	
Name	Chemical Analysis Laboratories Unit Consumer Products & Commodities Laboratories Section
Address & Contact	P.O. Box 67 Dubai, Tel. No.: 00971-4-3027007, Fax: 00971-4-3362696 E-mail: info@dm.gov.ae , Website: www.dm.gov.ae

Date of Issue : 19/10/2020	Rev. No. : 1
Level of Confidentiality / درجة السرية : General / عام	Page 1 of 4

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Report number. TR-1781-2020

Test Description	Antimicrobial Effectiveness longevity					
Test Method	DM-DCLD-SOP-CP-2030*					
Test Condition	<p>Two units of Natura Air Sanitizer had placed in the both corner of gent's washroom at an area of approx.60 cubic meter in Dubai Central Laboratory and the washroom was being used as routine.</p> <p>Before operating the Units, the air quality of the washroom had monitored on the test day and previous day to know the average natural contamination level by using an air sampler at a volume of 360 liter/Minute.</p> <p>To check the Antimicrobial Effectiveness efficiency & longevity, the Natura Air Sanitizer units switched on and started running continuously. At intervals of 2 hour, 24 hour and on 8th day, the air quality had monitored again.</p> <p>Percentage of microbial reduction has calculated by taking the reference of microbial count before the units operated.</p>					
Test microorganisms	Sampling Location	Initial bacterial concentration	Duration	Number of bacteria after incubation at 37°C , 24 hrs		Antimicrobial activity
				Control (CFU/ Plate) Before operating the unit	Test (CFU/ Plate) After operating the unit	Reduction Percentage (%)
Total bacterial count (Air Quality)	Wash Room	Not Applicable	2 hours	230 (Average)	177	23.04
			24 hours		95	58.69
			8 th day		104	54.78

Remarks:

Based on the test conducted it has been observed that in a span of 2 hour after running of Natura Air Sanitizer unit ,the natural microbial count were reduced by 23.04%, and the reduction were increased up to 58.69 % after 24 hours and the reduction continued up to 54.78 % during 8 days testing duration.

Date of Issue : 19/10/2020	Rev. No. : 1
Level of Confidentiality / درجة السرية : General / عام	Page 2 of 4

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Note:

- Abbreviation indications: SN = Serial Number, NA = Not Applicable, NC = Not Conducted, ND = Not Detected, NR= Not Requested, LOR = Limit of Reporting, Uexp % = Expanded Uncertainty Percent, DCLD = Dubai Central Laboratory Department.
- The expanded uncertainty is based on a coverage factor $k=2$, at a confidence level of 95%.
- The results contained herein apply only to the sample submitted and to the specific tests carried out and to the product information provided by the customer.
- (*) Indicates that the test is not accredited by EIAC (Certificate No. 205-LB-TEST).
- For any report that does not have an authentication QR code, do not hesitate to contact cpsreport@dm.gov.ae for clarification.
- This report cannot be used for advertisement, campaign, and legal purpose without our permission.
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Approved by



For

Engr Abdulrahman Mohammed Abdulla Al Ali

Consumer Products & Commodities Section Manager

Date of Issue : 19/10/2020	Rev. No. : 1
Level of Confidentiality / درجة السرية : General / عام	Page 3 of 4

 GOVERNMENT OF DUBAI	Organization unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
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Report number. TR-1781-2020

Test photos



-END OF REPORT-

Date of Issue : 19/10/2020	Rev. No. : 1
Level of Confidentiality / درجة السرية : General / عام	Page 4 of 4