
 GOVERNMENT OF DUBAI	Organization unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document title:	Measurement of antibacterial activity on plastics and other non-porous surfaces Test Report	عنوان الوثيقة:	
	Document ref.:	DM-DCLD-F-CP-2190	رقم الوثيقة:	

Request number	CPTR-2021-0088-M	Report number	TR-0736-2021	Test start	27/06/2021
Request date	27/06/2021	Report date	05/07/2021	Test completion	05/07/2021



<b>Customer information</b>			
Name	SAFS General Trading L.L.C		
E-mail	Saf@safslc.com	Phone No.	971544425106

<b>Product information</b>			
Name	SAFE PAD		
Manufacturer	VERACO LTD	Bar code	SAF08
Brand	SAFE PAD	Date of manufacture	NA
Country of origin	UK	Batch / Lot.	NA
Quantity	15	Unit	Pieces
Volume	-	Unit	-



<b>Laboratory information</b>	
Name	Chemical Analysis Laboratories Unit Consumer Products & Commodities Laboratories Section
Address & Contact	P.O. Box 67 Dubai, Tel. No.: 00971-4-3027111, E-mail: cpsreport@dm.gov.ae, Website: <a href="http://www.dm.gov.ae">www.dm.gov.ae</a>

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### Measurement of Anti-bacterial activity on plastics and other non-porous surfaces- BS ISO 22196:2011



#### Experimental Conditions

Specimen details	Safe Pad 50x50 mm Size	Incubation Temp	35°C	
		Contact time	24 Hours	
Control used	Non Treated Plastic sheet 50X50mm ,1 mm thickness	Neutralizer Used	Dey-engley Broth	
Cover Film Type & Size	Cover Glass 22X 22 mm, 0.15 mm thickness	Test Temperature	25°C ± 1°C	
Test Bacteria	E-Coli ATCC 8739	Staphylococcus aureus ATCC 6538	Sterilization Method NA	
	Bacterial Concentration			6.2X10 <sup>5</sup>

<b>Test condition</b>	<p>A test suspension is inoculated onto the untreated plastic surface and form a thin film.Immediatly after inoculation the bacteria from the control surface is washed out by using a neutralizer to recover the number of viable organisms( <math>U_0</math>).</p> <p>Similarly a test suspension is inoculated onto the test and control plastic surface and covered with a cover film.The surface is then maintained at a temperature of 35°C with a relative humidity of &gt;90% for 24 Hours. At the end of the contact time the neutralizer is added to the plastic surfaces and the surface is washed over to recover any remaining organisms .The number of surviving organisms which recovered from both the control (<math>U_t</math>)and test surfaces( <math>A_t</math> ) is determined quantitatively .</p>
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Test organisms	Sample	Contact Time				Antibacterial Activity	
		0 hour (CFU/CM <sup>2</sup> )		24 hour (CFU/CM <sup>2</sup> )		R=( $U_t$ - $A_t$ )	
						Log Reduction	Reduction %
Staphylococcus aureus ATCC 6538	Untreated control	$U_0$	4.17	$U_t$	4.48	1.87	98.6
	Treated test specimen	-	-	$A_t$	2.61		
Escherichia coli ATCC 8739	Untreated control	$U_0$	4.18	$U_t$	4.45	1.84	98.5
	Treated test specimen	-	-	$A_t$	2.60		

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**Remarks:** Test done with different sizes of safepad samples

**Conclusion:** Based on the test conducted ,the tested product safepad possesses 98.6% bacterial reduction against staphylococcus and 98.5 % bacterial reduction against E-coli when tested under the given condition in the report.

**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%.
- Data on the performance of the method used, which includes information about the variability associated with the reported result, is available upon request.
- 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.
- For any report that does not have an authentication QR code, do not hesitate to contact [cpsreport@dm.gov.ae](mailto:cpsreport@dm.gov.ae) for clarification.
- This report cannot be used for advertisement, campaign, and legal purpose without our permission.
- Data on the performance of the method used, which includes information about the variability associated with the reported result, is available upon request.
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**Approved by**

*Onoud.*

For  
Engr Abdulrahman Mohammed Abdulla Al Ali


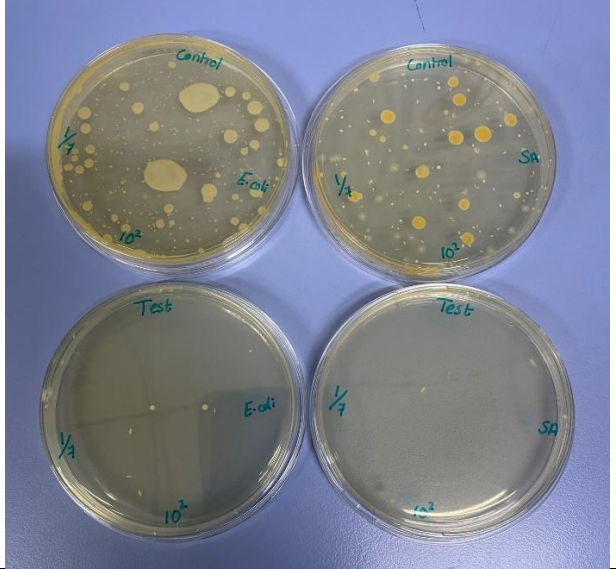
Consumer Products & Commodities Section Manager

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### Test photos

	
SAFE PAD	Control & Test Plates

-END OF REPORT-

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