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Sr. No. 6938

Original

THE SYNTHETIC & ART SILK MILLS' RESEARCH ASSOCIATION

(Linked to the Ministry of Textiles, Govt. of India)

Sasmira Marg, Worli, Mumbai - 400 030.

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SASMIRA TEST LABORATORIES

(Accredited by National Accreditation Board for Testing & Calibration Laboratories, NABL, INDIA)

TEST REPORT

Page 1 of 2

Test Report No.: SASMIRA/TR-1862/20-21	ULR-TC650021000002135F	Date:	26.03.2021
Name & Address of customer	Clique Medical Solutions Pvt. Ltd., 2B, 1806, Dreams Complex, Behind Dreams Mall, Bhandup (W), Mumbai – 400 078		
Sample forwarding letter No.	Mail dated 20.03.2021		
Particulars of sample given by the customer	Sample ID Mark 1. Thermaissance fabric (Royal Green colour)		
Date of receipt	23.03.2021		
Date of testing	23.03.2021 to 26.03.2021		

I. Discipline: Biological testing

1. Sub – group: Textiles

I] Name of the Test : JIS L 1902:2015

Determination of antibacterial activity and efficacy of Textile products

II] Test Organisms : Methicillin-resistant *Staphylococcus aureus* (MRSA) ATCC 43300

III] Additional Test Information:

Absorption Method

- Sample size: 0.40 ± 0.05 g
- Volume of test inoculum used: 0.2 ml
- Media used: Tryptone Soya Agar, SCDLP Broth.
- Incubation conditions: 37°C for 24 hrs.

- Note :
- The result relate only to the samples submitted by customer for testing
 - The test report shall not be reproduced except in full, without written approval of the laboratory and shall not be used for publicity or litigation.
 - The sample/s tested and reported is/are not drawn by Laboratory.



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Test Report No.: SASMIRA/TR-1862/20-21	ULR-TC650021000002135F	Date	26.03.2021
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IV] Test Results: Absorption Method

Results: ThermaissanceFabric (Royal Green colour)

Test Bacteria Strain number	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) ATCC 43300	
Concentration of inoculum (CFU/ml)	2.10 x 10 ⁵	
Difference of extremes for three control specimens (log) (condition: less than 1)	Immediately after inoculation	After incubation
	0.05	0.13
Difference of extremes for three test specimens (log) (condition: less than 2)	Immediately after inoculation	After incubation
	0.09	0.00
Growth value of F(F=log C _t - log C ₀)	5.88 - 4.60 = 1.28	
Growth value of G(G=log T _t - log T ₀)	1.30 - 4.61 = - 3.31	
Antibacterial activity value A (A = F-G)	1.28 - (- 3.31) A = 4.59	
Microbial Kill (% Reduction)	99.99%	
Measuring method	Plate count method	
Type of sample material	Fabric Sample	
Sterilization method	Autoclave	
Incubation time	24 hrs	

Note: Efficacy of antibacterial property

Efficacy of antibacterial property	Antibacterial value: A
Significant	2 ≤ A < 3
	A ≥ 3

Submitted sample is attached for your reference.

-- End of the report --


 Authorized Signatory
 Shradha Dongre
 Technical Manager

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