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THE SYNTHETIC & ART SILK MILLS' RESEARCH ASSOCIATION

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

Sasmira Marg, Worli, Mumbai - 400 030.

Sr. No. 2716

Original

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SASMIRA TEST LABORATORIES

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TEST REPORT

Test Report No.: SASMIRA/TR-1829/18-19	ULR-TC650019000000417P	Page 1 of 4
Name & Address of customer	Clique Medical Solutions Pvt. Ltd., 2B, 1806, Dreams Complex, Behind Dreams Mall, Bhandup (W), Mumbai - 400 078	Date: 3.04.2019
Sample forwarding letter No.	Wide TR 1703 for extension of further testing of Jacket	
Particulars of sample given by the customer	Sample ID Mark 1. Blue Colour Jacket (Thermaissance)	
Date of receipt	18.03.2019	
Date of testing	18.03.2019 to 3.04.19	

I. Biological testing**1. Textile****Test 1****I] Name of the Test : JIS L 1902:2015****Determination of antibacterial activity and efficacy of Textile products****II] Test Organisms : *Staphylococcus aureus* ATCC 6538
Klebsiella pneumoniae ATCC 4352****III] Additional Test Information:****Absorption Method**

- Sample size: 0.40 g \pm 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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IV] Test Results: Absorption Method

Results: Blue Colour Jacket (Thermaissance) after 60 washes

Test Bacteria Strain number	<i>Staphylococcus aureus</i> ATCC 6538		<i>Klebsiella pneumoniae</i> ATCC 4352	
Concentration of inoculum (CFU/ml)	1.95 x 10 ⁵		1.78 x 10 ⁵	
Difference of extremes for three control specimens (log) (condition: less than 1)	Immediately after inoculation	After incubation	Immediately after inoculation	After incubation
	0.1	0.05	0.08	0.13
Difference of extremes for three test specimens (log) (condition: less than 2)	Immediately after inoculation	After incubation	Immediately after inoculation	After incubation
	0.04	0.11	0.05	0.04
Growth value of F (F=log C _t - log C ₀)	6.69 - 5.55 = 1.14		6.79 - 5.51 = 1.28	
Growth value of G (G=log T _t - log T ₀)	3.02 - 5.52 = -2.5		3.46 - 5.49 = -2.03	
Antibacterial activity value A (A = F-G)	1.14 - (-2.5) A = 3.64		1.28 - (-2.03) A = 3.31	
Measuring method	Plate count method			
Type of sample material	Fabric Sample			
Sterilization method	UV exposure			
Incubation time	24 hrs			

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TEST REPORT

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Test Report No.: SASMIRA/TR-1829/18-19	ULR-TC650019000000417P	Date	03.04.19
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Note: Efficacy of antibacterial property

Efficacy of antibacterial property	Antibacterial value: A
Significant	$2 \leq A < 3$
Strong	$A \geq 3$

Test 2

Name of the Test : Bioburden*

As per Bacteriological analytical manual online Jan 2001 ch. 3

Additional Test Information:

- Media used: Tryptone Soya Agar, Anaerobic Blood Agar Base, Sabouraud's Dextrose Agar
- Incubation conditions: For Aerobic Bacteria: 37°C for 24 hrs; For Anaerobic Bacteria: 37°C for 48 hrs in anaerobic conditions; For Yeast & Molds: 25°C for 5-7 days
- Diluent: Saline

Test Results:

Sample	Total Aerobic Count	Total Anaerobic Count	Total Yeast & Mold Count
Blue Colour Jacket (Thermaissance) 60 Wash	22.5 CFU/gm	< 1 CFU/gm	< 1 CFU/gm

Note: * = This test is not under NABL scope of accreditation

Small portion of the submitted sample is attached for your reference.


 Authorized Signatory
Shradha Dongre
Technical Manager

-- End of the report --

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