



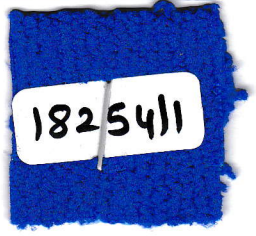
BIOTECH TESTING SERVICES

TEST REPORT

LAB NO. : 18254/ 1

DATE: 02/04/2019

NAME OF CUSTOMER : M/S. REAL RELIEF
ADDRESS : Essen 26,
6000 Kolding, Denmark
REFERENCE : Letter Ref. dated March 29, 2019
Kind Attention: Torben Holm Larsen
DATE OF RECEIPT : 29/03/2019
DATE OF INITIATION : 29/03/2019
DATE OF COMPLETION : 02/04/2019
SAMPLE DESCRIPTION : Towel sample labeled as – (Samples attached)



Sr. No.	Description	Treatment
1.	SuperTowel	--

Name of Test:

Evaluation of Antimicrobial Activity by AATCC 100 - 2012

Test Inoculum:

1. Staphylococcus aureus ATCC 6538 (1.90×10^5 CFU/ml)
2. Klebsiella pneumoniae ATCC 4352 (2.10×10^5 CFU/ml)

Additional Test Information:

1. Sample size: 48 mm discs
2. Pre-treatment of sample: Free steaming
3. No. of swatches used: 2
4. Inoculum Carrier: Phosphate Buffered water
5. Neutraliser: DE Broth



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Results:

Towel swatches in contact with individual test cultures for 24 hrs at 37°C showed the following results:-

Sample Identification	Test Culture	No. of Bacteria per sample (CFU/ Sample)		Percentage Reduction of Bacteria (R)
		Inoculated Sample at 0 hrs. (B)	Treated Sample at 24 hrs. (A)	
SuperTowel	Staph. aureus	1.63 x 10 ⁵	1.00 x 10 ²	99.93
	K. pneumoniae	1.75 x 10 ⁵	3.00 x 10 ²	99.82

REMARKS:

1. CFU: Colony Forming Unit = No. of Microorganisms
2. Percentage Reduction of Microorganism (R) = 100 (B - A/ B)

INTERPRETATION:

Towel labeled as super towel has shown 99.93% and 99.82% antimicrobial activity towards Staphylococcus aureus and Klebsiella pneumoniae respectively when tested as per AATCC 100 - 2012 test Method.

For BIOTECH TESTING SERVICES



Dr Shilpa U. Nair
Quality Manager
(Authorized Signatory)

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