



M & L LABS

## Certificate/Report

RESULTS REPORTED RELATED ONLY TO ITEMS TESTED

COMPANY NAME : SVENMILL PTY LTD  
 ADDRESS : McGREGOR STREET, BEACONVALE PAROW, CAPE TOWN  
 SUBJECT : TEXTILES- DETERMINATION OF ANTIBACTERIAL ACTIVITY  
 OF ANTIBACTERIAL FINISHED PRODUCTS ISO 20743  
 MARKED : SVENMILL/DUALTEX MASK  
 INSTRUCTED BY : BRENT  
 ORDER NO. : COD  
 RECEIVED ON : 08/05/2020  
 LAB NO(S) : P231186  
 DATE ANALYSED : 12/05/2020

**Table 1: Test Results**

Test Bacteria	<i>Staphylococcus aureus</i> ATCC 6538		<i>Escherichia coli</i> ATCC 10536	
Concentration of inoculum (CFU/ml)	1.4x10 <sup>5</sup>		1.2x10 <sup>5</sup>	
Difference of extremes for three control fabrics (log)	0h	19h	0h	19h
	0.5	0.4	0.6	0.5
Growth value of F ( $F = \log C_t - \log C_o$ )	+3.4 (Log $C_t$ : +5.8, Log $C_o$ : 2.4)		+3.6 (Log $C_t$ : +6.4, Log $C_o$ : 2.8)	
Growth value of G ( $G = \log T_t - \log T_o$ )	+0.4 (Log $C_t$ : +1.9, Log $C_o$ : 2.3)		+0.3 (Log $C_t$ : +2.5, Log $C_o$ : 2.1)	
Antibacterial activity value ( $A = F-G$ )	3.0 (99.9%)		3.3 (99.9%)	
Measuring Method	Plate count technique			
Type of sample material	Mask Polycotton 50/50			
Sterilization method	Autoclave			
Incubation time	19h			

**Conclusion:**

The sample showed significant antimicrobial activity.

TECHNICAL SIGNATORY  
 T. NE. AB. AZA

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Authorised Signature (original blue ink)