SITRA SERVICE ASSET

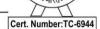
THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

CENTRE OF EXCELLENCE FOR MEDICAL TEXTILES

Physical, Chemical & Biological Testing Laboratories

(ISO/IEC 17025 NABL ACCREDITED)

13/37, Avinashi Road, Aerodrome Post, Coimbatore - 641 014, INDIA



Test Report No : O2001009 ULR: TC694420010000765F Report Date : 30-09-2020

Duraplus Healthcare Ref : LETTER DTD 26.09.2020

ASTM F 2101 Bacterial filtration efficiency	O2001009-1 Sample Particulars: 3 PLY MASK WITH MELTBLOWN FILTER		
		Test Condition[s]	
		Test organisms used	Staphylococcus aureus ATCC 6538
Inoculum size	5 x 10 ⁵ CFU/mL		
Media used	Tryptic soya agar		
Dilution medium used	Peptone water		
Incubation conditions	37°C for 24 h		
Results			
Area of test specimen exposed	Face Mask 10 x 10 cm		
Sample exposure side	Face side		
Flow rate of aerosol	28.5 L / min		
Mean particle size of challenging aerosol	3.0 ± 0.3 micron		
Average plate count of positive control	2217		
Average plate count of negative control	0		
BFE of test specimen (%)	99.9		
	Etanhylasassus auraus ATCC 6529 when tested essending to ASTM E 2101 test		

The sample showed **99.9% bacterial filtration efficiency** against *Staphylococcus aureus* ATCC 6538 when tested according to ASTM F 2101 test method.

- End of Report -

(This is a computer generated report, hence does not require signature.)