Test Report No. 7191237272-EEC20-03-WBH dated 26 May 2020

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SUBJECT:

Breathability test (Differential Pressure)

CLIENT:

MANN+HUMMEL FILTER TECHNOLOGY (S.E.A) Pte Ltd 2 International Business Park #02-36, The Strategy 609930 Singapore

Attn: Mr Terence Wong

SAMPLE SUBMISSION DATE/ TEST DATE:

11 May 2020/ 21 May 2020

DESCRIPTION OF SAMPLES:

One type of mask described as below was received:

	The state of the s
Sample Description	Quantity
Community Face Mask	5 pieces

METHOD OF TEST:

BS EN 14683:2019 Medical face masks – Requirements and test methods -Clause 5.2.3 Breathability / Annex C Method for determination of breathability (differential pressure)

Airflow: 8L/min Tested area: 4.9 cm²

Number of tested specimen: 5 Number of test area per specimen: 5



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RESULTS:

Sample Description: Community Face Mask

Test Specimen	Average Differential Pressure (ΔP) for 5 tested areas (Pa/cm^2)	Requirement		
1	17	The differential pressure of the medical face mask shall conform to the value given:		
2	17			
3	17	Type I < 40 Pa/cm ² Type II < 40 Pa/cm ²		
4	18			
5	18	Type IIR < 60 Pa/cm ²		

Wong Bee Hui

Product Manager Medical Health Services (NAM)

REMARKS:

1. The above test results relate to the samples as received.

Associate Engineer

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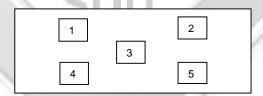
APPENDIX:



Photo: Community Face Mask

Test areas	Differential Pressure (ΔP) (Pa/cm²)					
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	
1	16	16	16	17	17	
2	17	16	17	17	16	
3	16	16	16	16	15	
4	20	20	19	20	21	
5	18	19	19	19	20	
Average	17	17	17	18	18	

Table: Differential pressure for each tested area of the test specimen



Graph: Location of the areas of the mask for the differential pressure measurements

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