

Test Report No. 7191244646-EEC20-02-WBH
dated 24 Sep 2020



PSB Singapore

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SUBJECT

Breathability Test (Differential Pressure)

CLIENT

Honsin Apparel Sdn Bhd
531 Batu 2 ½ Jln Kluang,
83000 Batu Pahat, Johor,
Malaysia

SAMPLE SUBMISSION DATE/ TEST DATE

18 Sep 2020 / 24 Sep 2020

DESCRIPTION OF SAMPLES

One sample described as below was received:

Product Name / Brand Name	Manufacturer	Lot Number
ProXMask Filter C	Honsin Apparel Sdn Bhd	PDCC-ProX-021-0003



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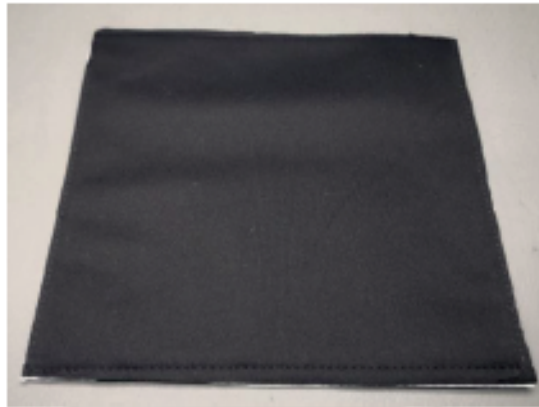
DESCRIPTION OF SAMPLE (cont'd)

Figure 1: "ProXMask Filter C" sample as received

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: 8 L/min
Tested area: 4.9 cm²
Number of tested specimen: 5
Number of test area per specimen: 5

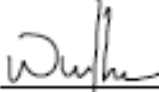
RESULTS

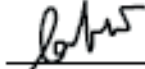
Sample Description: ProXMask Filter C

Test Specimen	Average Differential Pressure (ΔP) for tested areas (Pa/cm ²)	Requirement
1	56	The Differential Pressure of the medical face mask shall conform to the value given for the relevant type in Table 1 of BS EN 14683:2019. Type I < 40 Pa/cm ² Type II < 40 Pa/cm ² Type IIR < 60 Pa/cm ²
2	57	
3	58	
4	56	
5	57	

REMARKS

- The above test results relate to the samples as received.
- For the classification of medical face mask type, besides the above Differential Pressure test, other test parameters per Table 1 of BS EN 14683:2019 shall be considered.

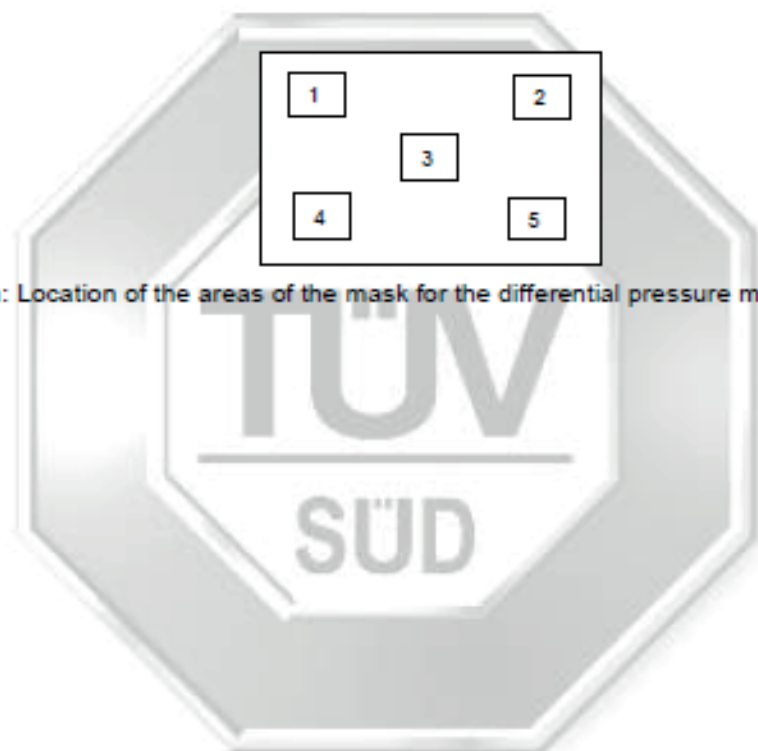

 William Wei
 Associate Engineer


 Wong Bee Hui
 Product Manager
 Medical Health Services (NAM)

**APPENDIX**

Test areas	Differential Pressure (ΔP) (Pa/cm ²)				
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
1	53	58	53	58	54
2	58	55	58	55	58
3	55	58	57	57	58
4	81	80	82	58	59
5	57	80	80	57	80
Average	58	57	58	58	57

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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Effective 01 September 2020

