

**Test Report No. 7191241766-EEC20-03-WBH**  
dated 24 Aug 2020



PSB Singapore

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**SUBJECT**

Breathability Test (Differential Pressure)

**CLIENT**

SHR Germany Onlineshop GmbH  
Hans-Sachs-Straße 17,  
40721 Hilden, Germany

Attn : Mr. Günay

**SAMPLE SUBMISSION DATE/ TEST DATE**

06 Aug 2020 / 24 Aug 2020

**DESCRIPTION OF SAMPLES**

One mask sample described as below was received:

Product Name / Brand Name	Manufacturer	Lot Number
Einwegmaske / OP-Maske	SHR Germany GmbH	Nil



TÜV SÜD PSB

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**TUV**<sup>®</sup>

**DESCRIPTION OF SAMPLE** (cont'd)



Figure 1: "Einwegmaske / OP-Maske" mask sample as received

**METHOD OF TEST:**

BS EN 14683:2019 Medical face masks – Requirements and test methods

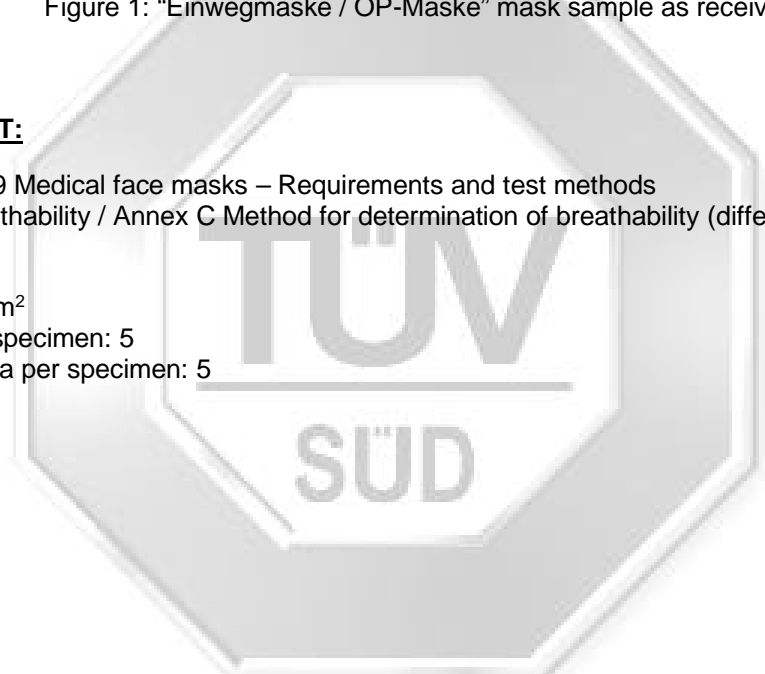
-Clause 5.2.3 Breathability / Annex C Method for determination of breathability (differential pressure)

Airflow: 8L/min

Tested area: 4.9 cm<sup>2</sup>

Number of tested specimen: 5

Number of test area per specimen: 5



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**RESULTS**

Product Name / Brand Name: Einwegmaske / OP-Maske

Test Specimen	Average Differential Pressure ( $\Delta P$ ) for tested areas (Pa/cm <sup>2</sup> )	Requirement
1	21	The differential pressure of the medical face mask shall conform to the value given: Type I < 40 Pa/cm <sup>2</sup> Type II < 40 Pa/cm <sup>2</sup> Type IIR < 60 Pa/cm <sup>2</sup>
2	21	
3	22	
4	21	
5	20	

**REMARKS**

The above test results relate to the samples as received.

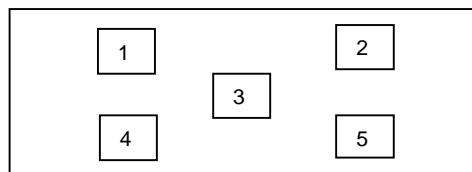
William Wei  
Associate Engineer

Wong Bee Hui  
Product Manager  
Medical Health Services (NAM)

**APPENDIX**

Test areas	Differential Pressure ( $\Delta P$ ) (Pa/cm <sup>2</sup> )				
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
1	21	21	24	22	20
2	22	22	24	22	22
3	21	21	19	21	21
4	20	21	22	20	19
5	21	21	21	21	20
Average	21	21	22	21	20

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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July 2011

