

TEST REPORT: 7191240725-CHM20-02-SJY

Date: 04 AUG 2020

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Client's Ref: -

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SUBJECT

Synthetic Blood Penetration Test

CLIENT

Cyber Pte Limited
Cyber Centre
16/18 Jalan Kilang Barat
Singapore 159358

Attn: Paul Cheong

SAMPLE SUBMISSION DATE / TEST DATE

20 Jul 2020 / 29 Jul 2020

DESCRIPTION OF SAMPLE

One mask sample described as below was received:

Sample Description	Product Name / Brand name	Manufacturer	Lot No.
BioMask 3-Layer Protective Mask	3-Layer Protective Mask / BioMask	Cyber Pte Limited	BM202007CY1



TÜV SÜD PSB

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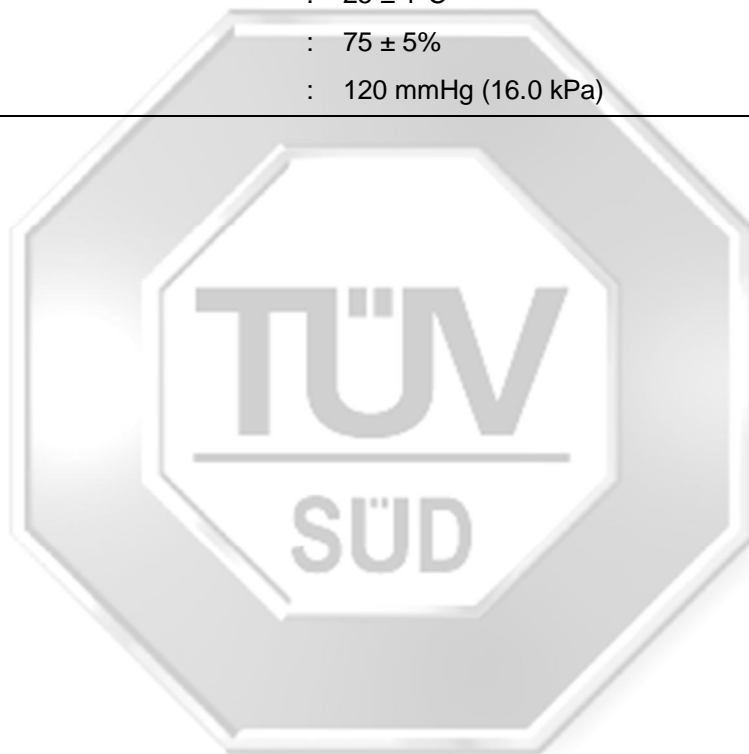
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TÜV[®]

METHOD OF TEST

ASTM F1862-17

“Standard Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)”

Distance of mask to the tip of cannula	: 30.5 cm
Test volume	: 2 mL
Test side	: Outside
Pre-conditioning	: Minimum of 4 hours at $21 \pm 5^{\circ}\text{C}$ and $85 \pm 5\%$ r.h.
<u>Test conditions*</u>	
Test temperature	: $25 \pm 1^{\circ}\text{C}$
Relative humidity	: $75 \pm 5\%$
Pressure, mmHg	: 120 mmHg (16.0 kPa)



RESULTS

Test article number	Results
1	Failed
2	Failed
3	Passed
4	Passed
5	Passed
6	Passed
7	Passed
8	Passed
9	Failed
10	Failed
11	Failed
12	Passed
13	Passed
14	Failed
15	Failed
16	Passed
17	Failed
18	Passed
19	Failed
20	Failed
21	Failed
22	Failed
23	Passed
24	Passed
25	Passed
26	Passed
27	Failed
28	Failed
29	Failed
30	Passed
31	Passed
32	Passed
No. of Passed	17 / 32

Note:

- 1) An acceptable quality limit of 4.0% is met for a single sampling plan when 29 or more of the 32 tested specimens show pass results.
- 2) Samples were randomly selected and identified for testing.
- 3) (*) Test was conducted within 1 minute of removal from the environmental chamber held at pre-conditioning environment.



SEOW JIA YI
CHEMIST



DR LI SIHAI
AVP / SENIOR CHEMIST
COATINGS & INDUSTRIAL CHEMICALS
CHEMICAL & MATERIALS

APPENDIX

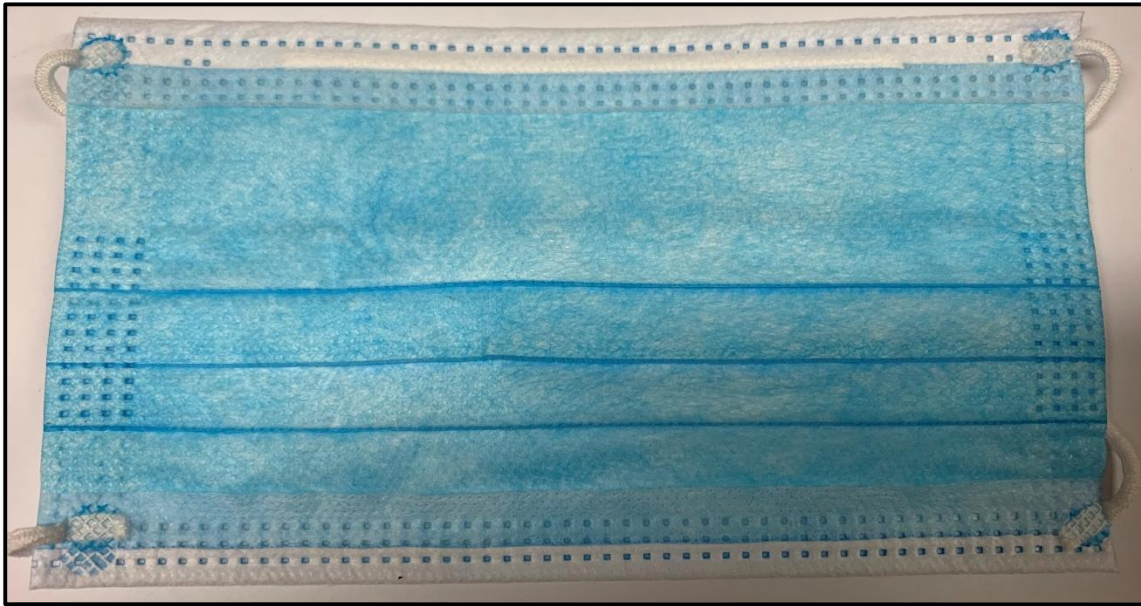


Figure 1. "BioMask 3-Layer Protective Mask" sample as received



Figure 2. "BioMask 3-Layer Protective Mask" sample packaging as received

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July 2011

