

# TEST REPORT: 7191240725-CHM20-05-CXJ

Date: 24 JUL 2020

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Client's Ref:

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## SUBJECT

Sub-micron Particulate Filtration Efficiency (PFE) at 0.1 micron

## CLIENT

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

Attn: Paul Cheong

## SAMPLE SUBMISSION DATE / TEST DATE

20 July 2020 / 22 July 2020

## DESCRIPTION OF PRODUCT

One mask sample described as below was received.

| Sample Description              | Product Name                        | Manufacturer      | Lot No.     |
|---------------------------------|-------------------------------------|-------------------|-------------|
| BioMask 3-Layer Protective Mask | 3-Layer Protective Mask/<br>BioMask | Cyber Pte Limited | BM202007CY1 |



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



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

**METHOD OF TEST**

ASTM F2299 - Standard Test Method for Determining the Initial Efficiency of Materials Used in Medical Face Masks to Penetration by Particulates Using Latex Spheres (average particle size 0.1  $\mu\text{m}$ , natural state)

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**RESULTS**

Sample Description : BioMask 3-Layer Protective Mask

| Sub-micron Particulate Filtration Efficiency (PFE) at 0.1 micron |                  |                |
|--|------------------|----------------|
| S/N  | Result of PFE, % | Average PFE, % |
| 1  | 99.49            | 99.49          |
| 2  | 99.36            |                |
| 3  | 99.48            |                |
| 4  | 99.58            |                |
| 5  | 99.55            |                |

Remarks :

The above test results relate to the samples as received.

**MS CHEN XINYI JOEY**  
CHEMIST  
ELEMENTAL ANALYSIS  
CHEMICAL CENTRE

**DR YANG LEI**  
EXECUTIVE CONSULTANT  
ELEMENTAL ANALYSIS  
CHEMICAL CENTRE

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July 2011

