

TEST REPORT

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Our Ref: FB-8500159479/SS/4

Date: 18/05/2021

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- Subject** : Differential pressure test for Granzilla Aircare 3 ply disposable face mask (Black/White) submitted by Grantech Pte Ltd on 26/04/2021
- Purpose** : The purpose of the test is to measure the differential pressure of a medical face mask
- Tested For** : **GRANTECH PTE LTD**
629 Aljunied Road
#04-17 Cititech Industrial Building
Singapore 389838
Attn: Mr SY Ong
- Method of Test** : BS EN 14683 : 2019 Medical Face Masks – Requirements and Test Methods Clause 5.2.3 Annex C Method for determination of breathability (differential pressure)
- Description of Samples** : 50 pieces of Granzilla Aircare 3 ply disposable face mask (Black/White) were received
(Refer to Photograph 1)
- | | | |
|----------------|---|-----------|
| Lotcode | : | 20210104 |
| Model | : | SML-A21 |
| Meltblown Used | : | HSL200826 |



Khairuddin
Testing Officer



Salim Suwignjo
Assistant Manager (CMTD)
Construction Technology Division

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LA-1993-0051-C LA-1998-0144-D
LA-1993-0067-G LA-2000-0181-F
LA-1994-0068-A LA-2012-0519-E
LA-1987-0001-B LA-1987-0001-B-1

Test Result : Differential Pressure

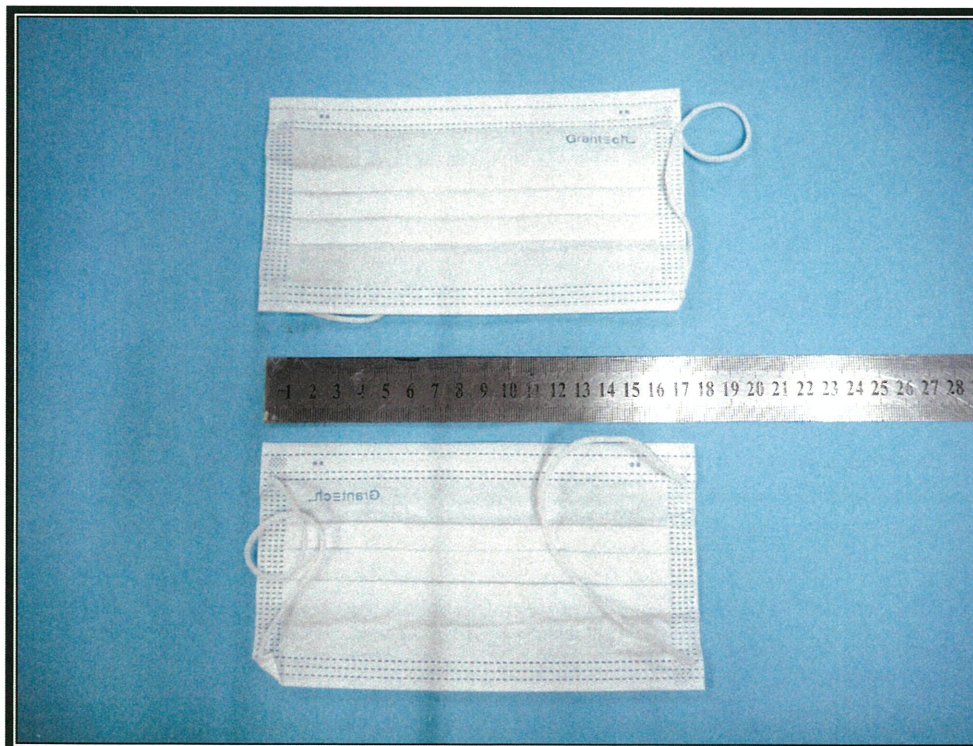
Sample Reference		Granzilla Aircare 3 ply disposable face mask (Black/White)				
Conditioning		17/05/2021 From 1000hrs to 1400hrs @ 21°C, 85%RH				
Date of Test		17/05/2021				
Test Condition		23°C, 52%RH				
Air Flow	(L/min)	8				
Tested Area	(cm ²)	4.9				
Type of Mask		Multi Material Mask				
Specimen Reference		S1	S2	S3	S4	S5
Differential Pressure, ΔP (Pa/cm ²)	Top 1	40.61	43.27	40.82	43.27	40.00
	Top 2	44.08	45.71	41.02	41.84	43.67
	Top 3	46.93	42.45	47.35	41.63	44.08
	Bottom 1	42.04	44.08	38.78	42.45	40.82
	Bottom 2	41.22	46.73	40.00	40.00	45.31
	Bottom 3	45.10	47.96	48.16	45.71	45.31
	Average	43.33	45.03	42.69	42.48	43.20
Requirement BS EN 14683 Clause 5.2.7 Summary of Performance Requirements		Differential Pressure, (Pa/cm ²) Type I < 40 Type II < 40 Type IIR < 60				

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Photograph 1 Granzilla Aircare 3 ply disposable face mask (Black/White) as received



Photograph 2 Granzilla Aircare 3 ply disposable face mask (Black/White) Outer (Top) and Inner (Bottom)

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