



TEST REPORT

Technical Report: (5221)036-0343-R1

February 25, 2021

The report is amendment of and supersedes the previous report (5221)036-0343 dated February 22, 2021

Date Received: February 5, 2021

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Corum Ip
Trend Wealth Industrial Limited
Unit B, 1/F, Eastern Industrial Building,
42/50 Kwai Ting Road, Kwai Chung, N.T

Sample Description: Sample(s) received is/are stated to be:
3D Disposable Surgical Mask

Color:	/	Style No(s):	/
Order No.:	/	PO No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Retest No.:	/
Manufacturer:	Trend Wealth Industrial Limited	Supplier Reference:	/
Buyer:	/	Country of Origin:	Hong Kong
Test Period:	February 5, 2021 – February 22, 2021	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Client's requirement: ASTM F2100 Level 3		
Differential Pressure (Delta P)	DATA	

MD

REMARK

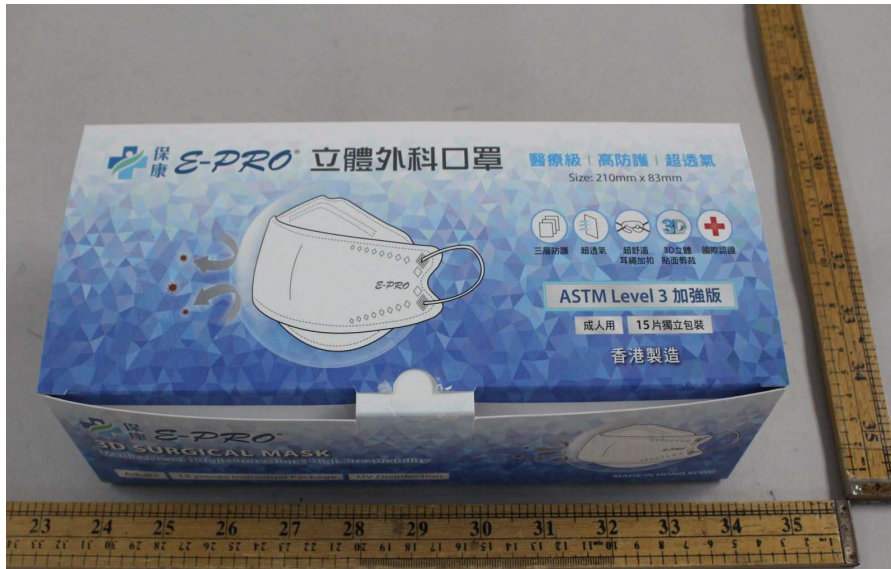
If there are questions or concerns on this report, please contact:

(852) 2331 0330
analytical-enquiry@hk.bureauveritas.com

BUREAU VERITAS HONG KONG LTD.

MS. YANN LO
MANAGER, RS DEPARTMENT

Photo of the Submitted Sample



Report Number
(5221)036-0343



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SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:

ITEM	ITEM DESCRIPTION
1	Blue mask



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TEST RESULT

Differential Pressure (Delta P)

Test method

The Delta P test is performed to determine the breathability of test articles by measuring the differential air pressure on either side of the test article using a manometer, at a constant flow rate. The Delta P test complies with EN 14683:2019, Annex C and ASTM F2100-19.

Test Results

Each specimen was conditioned for 4 hours minimum at 21+/-5 °C and 85+/-5 % R.H.

Test Side: Inward Side,
Flow rate: 8 l/min,
No of specimens tested: 5.0

Tested area	Position 1	Position 2	Position 3	Position 4	Position 5	Average
	(H ₂ O/cm ²)	(H ₂ O/cm ²)	(H ₂ O/cm ²)	(H ₂ O/cm ²)	(H ₂ O/cm ²)	(H ₂ O/cm ²)
Specimen 1	4.3	4.5	4.7	4.4	4.2	4.4
Specimen 2	4.4	4.4	4.4	4.2	4.4	4.4
Specimen 3	4.4	4.3	4.3	4.4	4.2	4.3
Specimen 4	4.4	4.3	4.2	4.2	4.5	4.3
Specimen 5	4.5	4.3	4.4	4.4	4.2	4.4

Note:

1. Results reported on the submitted sample on an as received basis.
2. The analysis was performed by a BV assessed competent subcontractor laboratory.

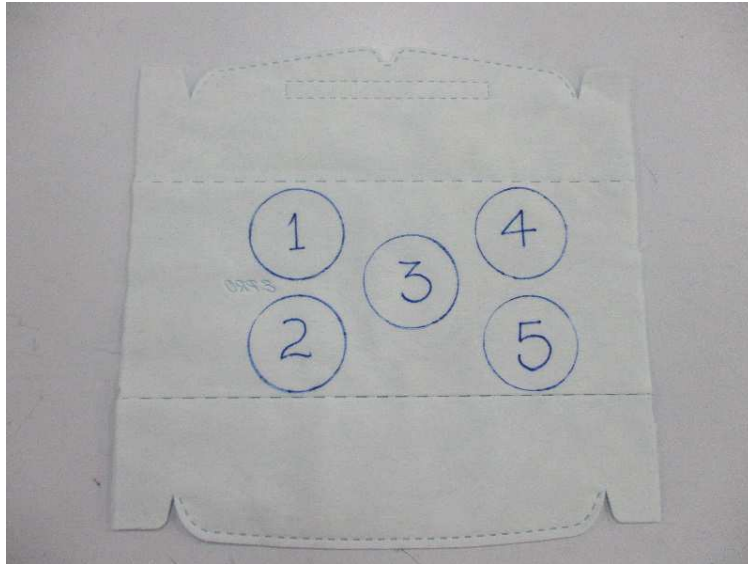


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TEST AREAS IMAGE



END



APPENDIX

		ASTM F 2100-2019		
		Level 1	Level 2	Level 3
Barrier Tests	Bacterial Filtration Efficiency (BFE) % ASTM 2101/EN14683	≥95	≥98	
	Particle Filtration Efficiency (PFE)% ASTM F2299	≥95	≥98	
	Synthetic Blood Fluid Pressure ASTM F1862/ISO 22609	80 mmHg	120 mmHg	160 mmHg
Safety Tests	Microbial Cleanliness ISO 11737-1	Not required		
	Flammability 16 CFR part 1610	Class 1		
Physical Tests	Differential Pressure EN 14683 (Pa/cm ²)	<5.0 mm H ₂ O/cm ²	<6.0 mm H ₂ O/cm ²	