



# TEST REPORT

**Technical Report: (5221)036-0372-R1**

February 25, 2021

The report is amendment of and supersedes the previous report (5221)036-0372 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
<b>Client's requirement: ASTM F2100 Level 3</b>		
Flammability	DATA	

MD

### REMARK

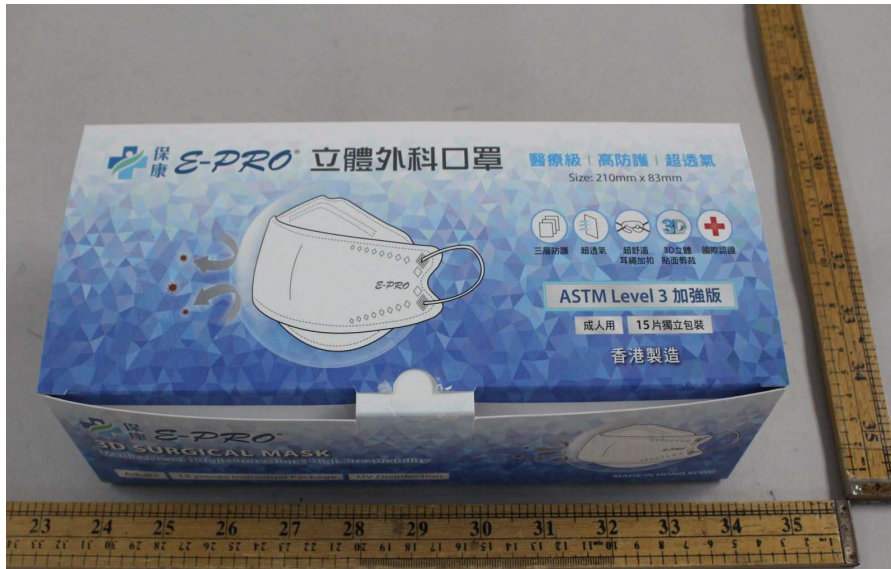
If there are questions or concerns on this report, please contact:

(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)036-0372



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**SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:**

ITEM	ITEM DESCRIPTION
1	Blue mask



**TEST RESULTS**

**Flammability of Clothing Textiles (16 CFR PART 1610)**

Test Article Side Tested    Outward Side  
Orientation:                    Face Widthwise  
Fabric surface:                Plain Fiber Surface

ORIGINAL		AFTER DRYCLEANING / WASHING	
TIME OF FLAME SPREAD(S)	BURN CODE	TIME OF FLAME SPREAD(S)	BURN CODE
/	IBE	/	IBE
/	IBE	/	IBE
/	IBE	/	IBE
/	IBE	/	IBE
/	IBE	/	IBE
AVG./ SECONDS FOR#/ SPECIMENS		AVG./ SECONDS FOR#/ SPECIMENS	

DNI                    DID NOT IGNITE.  
 IBE                    IGNITED, BUT EXTINGUISHED.  
 SF uc                SURFACE FLASH, UNDER THE STOP THREAD, BUT DOES NOT BREAK THE STOP THREAD.  
 SF pw                SURFACE FLASH, PART WAY. NO TIME SHOWN BECAUSE THE SURFACE FLASH DID NOT REACH THE STOP THREAD.  
 SF poi                SURFACE FLASH, AT THE POINT OF IMPINGEMENT ONLY. (EQUIVALENT TO “DID NOT IGNITE” FOR PLAIN SURFACES.)  
 0.0 sec.             ACTUAL BURN TIME MEASURED AND RECORDED BY THE TIMING DEVICE.  
 0.0 SF only        TIME IN SECONDS, SURFACE FLASH ONLY. NO DAMAGE TO THE BASE FABRIC.  
 0.0 SFBB            TIME IN SECONDS, SURFACE FLASH BASE BURN STARTING AT PLACES OTHER THAN THE POINT OF IMPINGEMENT AS A RESULT OF SURFACE FLASH.  
 0.0 SFBB poi      TIME IN SECONDS, SURFACE FLASH BASE BURN STARTING AT THE POINT OF IMPINGEMENT. THIS RESULT DOES NOT QUALIFY AS A BASE BURN UNDER THE CURRENT INTERPRETATION OF PART OF 16 CFR PART 1610.  
 0.0 SFBB poi\*    TIME IN SECONDS, SURFACE FLASH BASE BURN POSSIBLY STARTING AT THE POINT OF IMPINGEMENT. THE ASTERISK (\*) IS ACCOMPANIED BY THE FOLLOWING STATEMENT: “UNABLE TO MAKE ABSOLUTE DETERMINATION AS TO SOURCE OF BASE BURNS.” THIS STATEMENT IS ADDED TO THE RESULT OF ANY SPECIMEN IF THERE IS A QUESTION AS TO ORIGIN OF THE BASE BURN.

**Remark:**

1. The sample is tested as received.
2. The analysis was performed by a BV assessed competent subcontractor laboratory.

END



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**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 <sup>2</sup> )	<5.0 mm H <sub>2</sub> O/cm <sup>2</sup>	<6.0 mm H <sub>2</sub> O/cm <sup>2</sup>	