

**TEST REPORT TUCHENG**

Date of Issue: May.20,2021 Date of Receipt and Test Start: May.11,2021

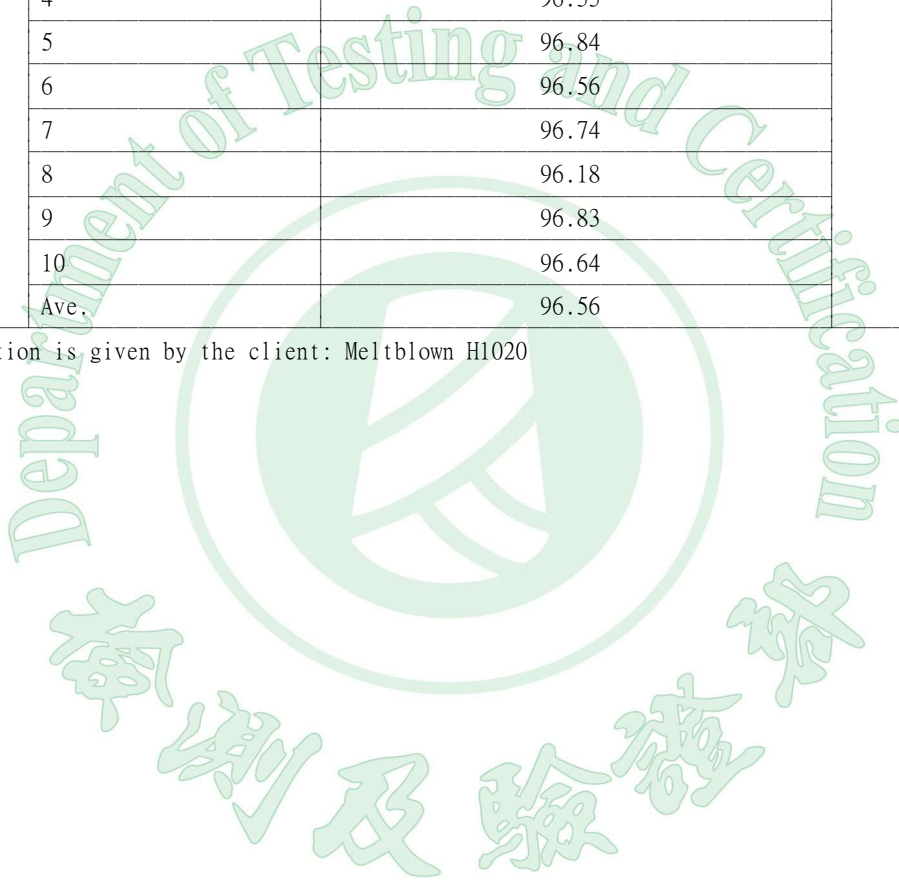
Report No.: TFGOE188 Quantity: IPC Page Order/Pages: (P1/4) Ref. No.: NIL

Report Title: MAGICAL FILM ENTERPRISE CO., LTD.(U3859) Item: Filter Media

Address: No. 36, Aly. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Items		Test Results	Test Methods
Protection Efficiency of Mask(%) (0.26 μm, NaCl, MMD)	1	96.24	TSI model 8130 Flow rate:32.0 (liter/min) <i>This test report is for reference only and should not be used as a formal document.</i>
	2	96.04	
	3	96.94	
	4	96.55	
	5	96.84	
	6	96.56	
	7	96.74	
	8	96.18	
	9	96.83	
	10	96.64	
	Ave.	96.56	

Note: Sample description is given by the client: Meltblown H1020



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Authorized by president of

Taiwan Textile Research Institute

*Jui-hung kao*

Director,  
Department of Testing and  
Certification

Department of Testing and Certification, Taiwan Textile Research Institute  
No.6, Chengtian Rd., Tucheng Dist., New Taipei City 23674, Taiwan (R.O.C.)  
Tel : +886-2-22670321 ext. 7107, 7110  
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Report No.: TFGOE188 Quantity: IPC Page Order/Pages: (P2/4) Ref. No.: NIL

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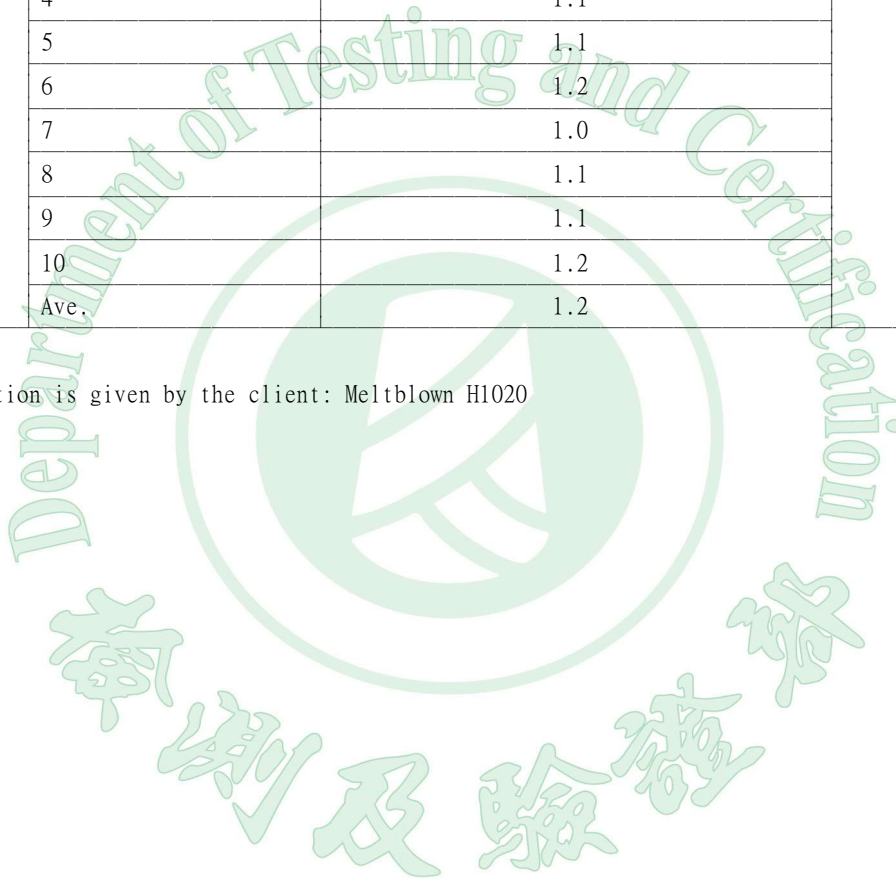
Address: No. 36, Aly. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Items	Test Results		Test Methods
Drop pressure(mmH2O)	1	1.1	TSI model 8130 Flow rate:32.0 (liter/min)
	2	1.3	
	3	1.3	
	4	1.1	
	5	1.1	
	6	1.2	
	7	1.0	
	8	1.1	
	9	1.1	
	10	1.2	
Ave.	1.2		

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註: 1mmH2O=9.8Pa。

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Address: No. 36, Aly. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

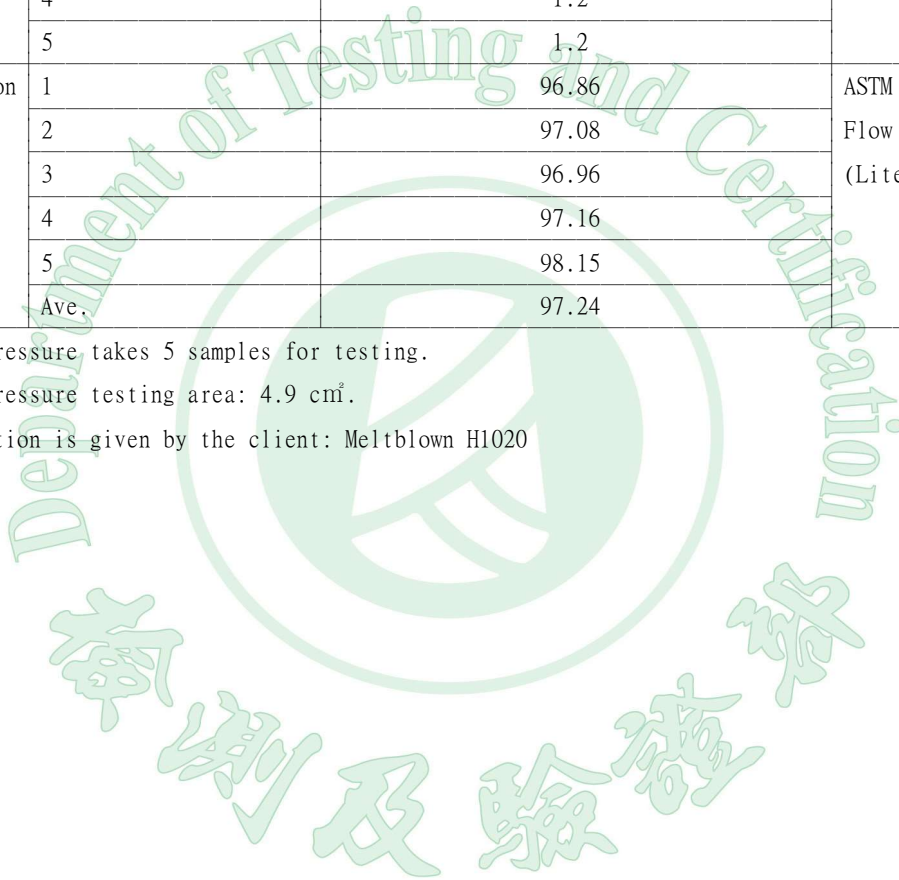
Test Items		Test Results	Test Methods
Air Exchange Pressure (mmH2O/cm <sup>2</sup> )	1	1.3	CNS 14777 T4039-2003 Flow rate:8 (Liter/min)
	2	1.3	
	3	1.3	
	4	1.2	
	5	1.2	
Particulate Filtration Efficiency(%) (0.1 μm PSL)	1	96.86	ASTM F2299-2003 Flow rate:28.2 (Liter/min)
	2	97.08	
	3	96.96	
	4	97.16	
	5	98.15	
	Ave.	97.24	

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Note: Air Exchange Pressure takes 5 samples for testing.

Note: Air Exchange Pressure testing area: 4.9 cm<sup>2</sup>.

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Address: No. 36, Aly. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Items		Test Results	Test Methods
Bacterial Filtration	1	99.7	CNS 14775 T4037-2003
Efficiency (BFE)(%)	2	99.6	
Staphylococcus aureus	3	99.8	
ATCC 6538	4	99.5	
	5	99.6	

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Note: Control average: 1938 CFU.

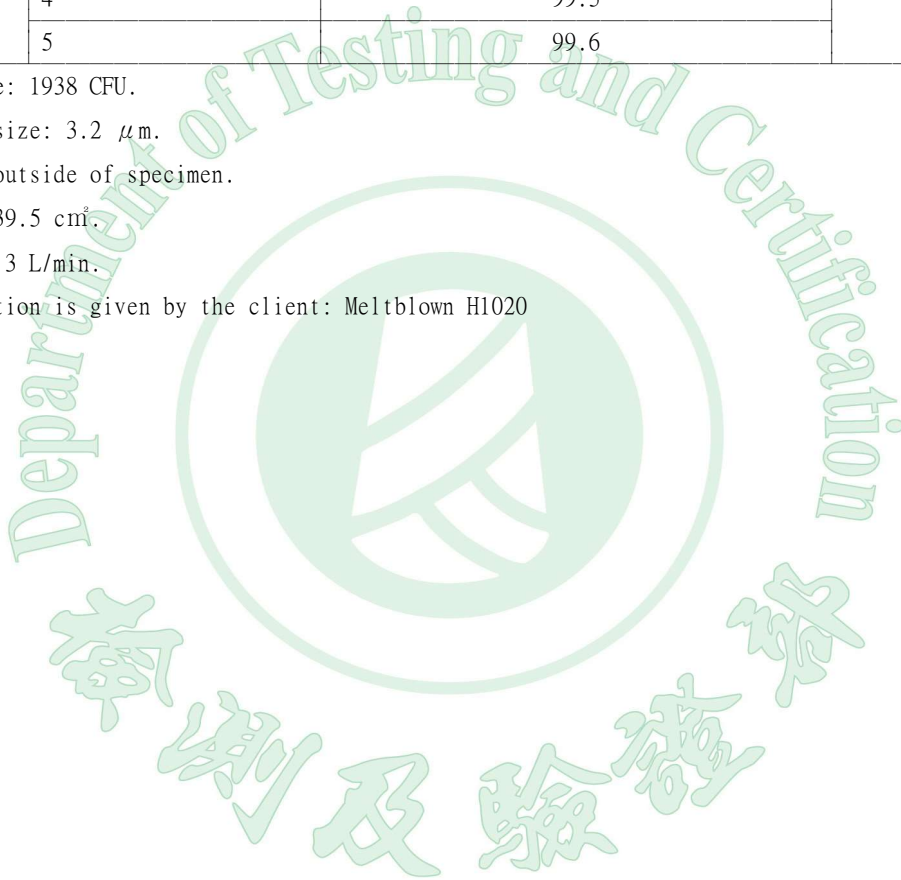
Note: Mean particle size: 3.2  $\mu\text{m}$ .

Note: Testing side: outside of specimen.

Note: Testing area: 39.5  $\text{cm}^2$ .

Note: Flow rate : 28.3 L/min.

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