

TEST REPORT

Report No.	:	HL80333/2020		
Page	:	1	of	3
Date	:	NOV	. 05, 2	2020

ACEGREEN ECO-MATERIAL TECHNOLOGY CO., LTD

NO. 50, Lane 20, Section 1, Nantong Rd., Ershui Township, Changhua County 530, Taiwan

The following merchandise was submitted and identified by the applicant as:

Product Description:	Melt-Blown Non-Woven(Polypropylene) 175mm/25GSM
Style/Item No .:	ACE-M-001
Manufacturer/Vendor:	ACEGREEN ECO-MATERIAL TECHNOLOGY CO., LTD
Country of Origin:	TAIWAN

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested:	1.	ASTM F2101:2019
	2.	ASTM F2299:2017
	3.	EN 14683:2019 Annex C

<u>Test Method & Result:</u> ---See following sheet(s)---

Date of Receipt: AUG. 28, 2020

<u>Testing Period:</u> AUG. 28, 2020 ~ NOV. 05, 2020

- Note: 1. The ASTM F2101:2019, ASTM F2299:2017 tests were performed by Taiwan Textile Research Institute.
 - 2. The EN 14683:2019 Annex C test was performed by O.S.H. CO., LTD. Respirator Test Center.

Signed for and on be Taiwan Ltd.

Sturm Su Asst. Manager

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TEST REPORT

Report No. : HL80333/2020 Page : 2 3 of

Test Method & Result:

1. ASTM F2101:2019:

Test Methods	Test Item	Test Results	
1. Testing Sample Number: 5		01	99.4
 Test surface : Either Test Area: 49 cm² 	Bacterial filtration efficiency (BFE) (%)	02	99.6
4. Flow rate during testing: 28.3 Liter/min5. Counts of positive control: 2317 CFU		03	99.6
6. Counts of negative control: 0 CFU 7. Average size: 2.9 μm		04	99.4
8. Sample Model: BFE-1090819003		05	99.5

6 Stage	Colonies count of each stage						
Sample No.	Stage 1 (7 µm)	Stage 2 (4.7 μm)	Stage 3 (3.3 μm)	Stage 4 (2.1 μm)	Stage 5 (1.1 μm)	Stage 6 (0.65 μm)	Total colony count (CFU)
01	0	0	0	1	1	1	3
02	0	0	0	2	3		6
03	0	0	0	0	0	1	1
04	0	0	1	0	1	1	3
05	0	1	1	0	2	1	5

2. ASTM F2299:2017:

Test Methods	Test Item	Test Results	
		01	97.77
 Flow rate: 28.1 (Liter/min) Sample Model: TFF9G866 		02	97.89
	Sub-Micron Particulate Filtration Efficiency (%)	03	97.89
	$(0.1 \ \mu m PSL)$	04	97.85
	C	05	97.85
		Ave	97.85

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TEST REPORT

Report No. : HL80333/2020 Page : 3 of 3

3. EN 14683:2019 Annex C:

Test Methods	Test Item		Test Results (mm H ₂ O/cm ²)	Test Results (Pa/cm ²)
1. Testing Sample Number: 5		01	2.51	24.60
2. Test Flow Rate : 8.02 Liter/min		02	2.46	25.09
3. Pre-Conditioning: Minimum of 4 hours	Differential	03	2.47	24.21
at (21 \pm 5) °C and (85 \pm 5) % relative	pressure	04	2.46	24.11
humidity.		05	2.38	23.32
4. Sample Model: AEP-1090728002		Avg.	2.46	24.26

Note :

- The test report merely reflects the test results of the consigned matters of the client 1. and is not a certification.
- The content of this report is invalid if it is not presented as the entire report. 2.

- Picture(s) -



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