

Hardline Laboratory

Report No. : HL80333/2020

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Date : NOV. 05, 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

Test Method & Result: ---See following sheet(s)---

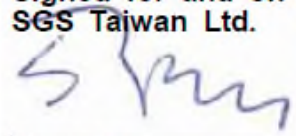
Date of Receipt: AUG. 28, 2020

Testing Period: 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 behalf of
SGS Taiwan Ltd.


Sturm Su
Asst. Manager



Test Method & Result:

1. ASTM F2101:2019:

Test Methods	Test Item	Test Results
1. Testing Sample Number: 5 2. Test surface : Either 3. Test Area: 49 cm ² 4. Flow rate during testing: 28.3 Liter/min 5. Counts of positive control: 2317 CFU 6. Counts of negative control: 0 CFU 7. Average size: 2.9 μm 8. Sample Model: BFE-1090819003	Bacterial filtration efficiency (BFE) (%)	01 99.4
		02 99.6
		03 99.6
		04 99.4
		05 99.5

6 Stage Sample No.	Colonies count of each stage						Total colony count (CFU)
	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)	
01	0	0	0	1	1	1	3
02	0	0	0	2	3	1	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
1. Flow rate: 28.1 (Liter/min) 2. Sample Model: TFF9G866	Sub-Micron Particulate Filtration Efficiency (%) (0.1 μm PSL)	01 97.77
		02 97.89
		03 97.89
		04 97.85
		05 97.85
		Ave 97.85

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 2. Test Flow Rate : 8.02 Liter/min 3. Pre-Conditioning: Minimum of 4 hours at (21±5) °C and (85±5) % relative humidity. 4. Sample Model: AEP-1090728002	Differential pressure	01	2.51	24.60
		02	2.46	25.09
		03	2.47	24.21
		04	2.46	24.11
		05	2.38	23.32
		Avg.	2.46	24.26

Note :

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

– Picture(s) –



	
Photo A: Appearance of the sample - BFE-1090819003	Photo B: Appearance of the sample - AEP-1090728002

Photo C: Appearance of the sample - SBP-1090728002	---

---End of Report---