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CONCLUSION:

TEST PROPERTY	PASS	FAIL	REMARKS
Bacterial filtration efficiency	010100000000000000000000000000000000000	month and commendation	eal Mathematical Con-
EN 14683 Annex B	ing M	reula	
A - Mask			REFER RESULT

Remark:

Test has been performed as per application request



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COMPONENT LIST:

COMPONENT ID	COMPONENT NAME	MATERIAL DESCRIPTION	COLOR	REMARKS
CUST 01	A - Mask	Mask	Black	nes (L <u>M</u>), 24



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MASKS TESTING

CAS No.

RESULTS

UNC.

LOQ

GUIDELINES

Analyses on: A - Mask

> Bacterial filtration efficiency

EN 14683 Annex B Bacterial Filtration Efficiency (BFE)

69.88 %

Analysis Ending Date: 11/06/2020

Complete test data reported at Annex.



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Signed for and on behalf of Eurofins Textile Testing Spain:



Report electronically validated by

Axel Ferrando
Physical-Mechanical Lab Manager

EXPLANATORY NOTE

- ◆ Test no accreditation
- · Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- □ Test is subcontracted outside Eurofins group and is not accredited N/A = Not Applicable

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End Of Report



IN VITRO DETERMINATION OF BACTERIAL FILTRATION EFFICIENCY (BFE)

Standard: EN 14683: 2019+AC: 2019 Annex B

Reference and batch number: 560-2020-00003441 / Batch number not provided

Number of test specimens: 5

Dimension of the test specimen: 240 mm x 135 mm

Tested area size: 49 cm²

Size of test specimen was facing towards the challenge aerosol: Inner

Flow rate during testing: 28,3 l/min

Negative Control Plate Counts

	STAGE						
	1	2	3*	4*	5*	6*	MEAN
Negative Control (CFU)	0	0	0	0	0	0	0

^{*}Number of colonies adjusted with positive-hole correction table

Positive Controls Plate Counts

	STAGE						
William Control	1	2	3*	4*	5*	6*	TOTAL CFU
Size of particle (µm)	7,00	4,70	3,30	2,10	1,10	0,65	TOTAL CFU
Positive Control 1 (CFU)	178	375	1023	606	516	281	2979
Positive Control 2 (CFU)	139	362	998	639	440	311	2889

^{*}Number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2934

Mean Particle Size (MPS)

	MPS
Positive Control 1 (µm)	2,82
Positive Control 2 (µm)	2,77
Mean (µm)	2,79

Test specimens Plate Counts

Г	STAGE						
	1	2	3*	4*	5*	6*	TOTAL CFU
Specimen 1	18	44	125	175	225	265	852
Specimen 2	25	56	134	186	239	277	917
Specimen 3	21	51	129	182	236	260	879
Specimen 4	17	48	127	179	236	281	888
Specimen 5	20	45	136	180	228	273	882

^{*}Number of colonies adjusted with positive-hole correction table



Bacterial Filtration Efficiency Calculation (BFE)

TEST	BFE (%)
1	70,96
2	68,75
3	70,04
4	69,73
5	69,94
Average	69,88
SD	1,13

Calculation formula: B = (C-T) / C x 100

C = Plate count average of both positive control runs

T = Total plate count of the sample

