


TEST REPORT	Refer to Analytical Report Number			
SPONSOR	Eurofins Lancaster Labs – Chemistry 4-C71 BU			
	2425 New Holland Pike			
	Lancaster, PA 17601			
	UNITED STATES			
FINAL CUSTOMER	Breathh Inc.			
TEST METHOD	Bacterial Filtration Efficiency (BFE) – EN 14683:2019+AC:2019 App B			
TEST ITEM - INFORMATION FROM THE SPONSOR				
PRODUCT NAME	N95 Masks			
MATRIX OF THE PRODUCT	Face Mask			
BATCH	NA	CODE	Not provided	
EUROFINS COSMETICS & PERSONAL CARE ITALY IDENTIFICATION				
MATERIAL ITEM ALIQUOT	LV20AB5314-1			
PARCEL REGISTRATION N.	IP-LV-2020266-ADH	RECEIVING DATE	22 Sep 2020	
ANALYSIS STARTING DATE	25 Sep 2020	ANALYSIS ENDING DATE	29 Sep 2020	
EXPERIMENTAL CONDITIONS	Dimension of the test specimen: 210 mm x 160 mm Size of the area tested: 49 cm ² Flow rate during testing: 28,3 l/min Inner side of the mask to the aerosol challenge.			
PHOTO OF THE TEST ITEM				
RESULTS			RESULT	UNIT
		ALIQUOT 1	99,93	%
		ALIQUOT 2	99,93	%
		ALIQUOT 3	99,89	%
		ALIQUOT 4	100,00	%
		ALIQUOT 5	99,89	%
DETAILED RESULTS	See Addendum N. 1 (1 page)			

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The test results relate only to the tested items. Sampling, except specific indication on test report, is always intended to be made by the Sponsor.
Information on the test item provided by the Sponsor are under Sponsor responsibility.*

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LAB N° 1827 L

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Addendum N.1

Started on: 25/09/2020

Batch: LV20AB5314

Sample description: N95 Masks

Lot Number: NA

Negative Control Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 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 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
Size of particle (µm)	7,00	4,70	3,30	2,10	1,10	0,65	
Positive Control N.1 (CFU)	173	235	911	468	357	279	2423
Positive Control N.2 (CFU)	191	321	1093	703	387	279	2974

*number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2699

Mean Particle Size (MPS)

	MPS
Positive Control N.1 (µm)	2,84
Positive Control N.2 (µm)	2,87
Mean (µm)	2,85

Test specimens Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
LV20AB5314-1 - Aliquot 1	0	0	0	0	1	1	2
LV20AB5314-1 - Aliquot 2	0	0	0	0	1	1	2
LV20AB5314-1 - Aliquot 3	0	0	0	0	1	2	3
LV20AB5314-1 - Aliquot 4	0	0	0	0	0	0	0
LV20AB5314-1 - Aliquot 5	0	0	0	0	1	2	3

*number of colonies adjusted with positive-hole correction table

Test specimens Bacterial Filtration Efficiency (BFE)

	BFE (%)
LV20AB5314-1 - Aliquot 1	99,93
LV20AB5314-1 - Aliquot 2	99,93
LV20AB5314-1 - Aliquot 3	99,89
LV20AB5314-1 - Aliquot 4	100,00
LV20AB5314-1 - Aliquot 5	99,89

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