


<b>TEST REPORT</b>	Refer to Analytical Report Number		
<b>SPONSOR</b>	Eurofins Lancaster Labs – Chemistry 4-C71 BU		
	2425 New Holland Pike		
	Lancaster, PA 17601		
	UNITED STATES		
<b>FINAL CUSTOMER</b>	Breathh Inc./Lutema		
<b>TEST METHOD</b>	Bacterial Filtration Efficiency (BFE) – EN 14683:2019+AC:2019 App B		
<b>TEST ITEM - INFORMATION FROM THE SPONSOR</b>			
<b>PRODUCT NAME</b>	DMF4L		
<b>MATRIX OF THE PRODUCT</b>	Face Mask		
<b>BATCH</b>	BLR139	<b>CODE</b>	Not provided
<b>EUROFINS COSMETICS &amp; PERSONAL CARE ITALY IDENTIFICATION</b>			
<b>MATERIAL ITEM ALIQUOT</b>	N720AA0999-1		
<b>PARCEL REGISTRATION N.</b>	IP-N/-2020338-AAG	<b>RECEIVING DATE</b>	03 Dec 2020
<b>ANALYSIS STARTING DATE</b>	14 Dec 2020	<b>ANALYSIS ENDING DATE</b>	15 Dec 2020
<b>EXPERIMENTAL CONDITIONS</b>	Dimension of the test specimen: 175 mm x 95 mm Size of the area tested: 49 cm <sup>2</sup> Flow rate during testing: 28,3 l/min Inner side of the mask to the aerosol challenge.		
<b>PHOTO OF THE TEST ITEM</b>			
<b>RESULTS</b>			
		<b>RESULT</b>	<b>UNIT</b>
	ALIQUOT 1	99,82	%
	ALIQUOT 2	99,75	%
	ALIQUOT 3	99,89	%
	ALIQUOT 4	99,78	%
	ALIQUOT 5	99,82	%
<b>DETAILED RESULTS</b>	See Addendum N. 1 (1 page)		

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LAB N° 1827 L

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Addendum N.1

Started on: 14/12/2020

Batch: N720AA0999

Sample description: DMF4L

Lot Number: BLR139

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)	139	258	998	559	447	271	2672
Positive Control N.2 (CFU)	163	267	1036	639	465	289	2859

\*number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2766

Mean Particle Size (MPS)

	MPS
Positive Control N.1 (µm)	2,74
Positive Control N.2 (µm)	2,75
Mean (µm)	2,74

Test specimens Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
N720AA0999-1 - Aliquot 1	0	0	0	0	2	3	5
N720AA0999-1 - Aliquot 2	0	0	0	0	1	6	7
N720AA0999-1 - Aliquot 3	0	0	0	0	1	2	3
N720AA0999-1 - Aliquot 4	0	0	0	0	2	4	6
N720AA0999-1 - Aliquot 5	0	0	0	0	1	4	5

\*number of colonies adjusted with positive-hole correction table

Test specimens Bacterial Filtration Efficiency (BFE)

	BFE (%)
N720AA0999-1 - Aliquot 1	99,82
N720AA0999-1 - Aliquot 2	99,75
N720AA0999-1 - Aliquot 3	99,89
N720AA0999-1 - Aliquot 4	99,78
N720AA0999-1 - Aliquot 5	99,82

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