

Cosmetics &
Personal Care

LAB N° 1827 L

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TEST REPORT	Refer to Analytical Report Number																				
SPONSOR	U-Earth Biotech Ltd																				
	Via Matteo Bandello 16																				
	20123 Milano																				
	ITALY																				
TEST METHOD	Bacterial Filtration Efficiency (BFE) – EN 14683:2019+AC:2019 App B																				
TEST ITEM - INFORMATION FROM THE SPONSOR																					
PRODUCT NAME	U-mask R1 - Lot 010/02022021																				
MATRIX OF THE PRODUCT	Face Mask																				
BATCH	10	CODE	U-mask original																		
EUROFINS COSMETICS & PERSONAL CARE ITALY IDENTIFICATION																					
MATERIAL ITEM ALIQUOT	N721AA0449-3																				
PARCEL REGISTRATION N.	IP-N7-2021035-AAE	RECEIVING DATE	04 Feb 2021																		
ANALYSIS STARTING DATE	05 Feb 2021	ANALYSIS ENDING DATE	08 Feb 2021																		
EXPERIMENTAL CONDITIONS	Dimension of the test specimen: 170 mm x 130 mm Size of the area tested: 49 cm ² Flow rate during testing: 28,3 l/min External side of the fabric to the aerosol challenge.																				
PHOTO OF THE TEST ITEM																					
RESULTS	<table border="1"> <thead> <tr> <th></th> <th>RESULT</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>ALIQUOT 1</td> <td>99,72</td> <td>%</td> </tr> <tr> <td>ALIQUOT 2</td> <td>99,76</td> <td>%</td> </tr> <tr> <td>ALIQUOT 3</td> <td>99,69</td> <td>%</td> </tr> <tr> <td>ALIQUOT 4</td> <td>99,62</td> <td>%</td> </tr> <tr> <td>ALIQUOT 5</td> <td>99,76</td> <td>%</td> </tr> </tbody> </table>				RESULT	UNIT	ALIQUOT 1	99,72	%	ALIQUOT 2	99,76	%	ALIQUOT 3	99,69	%	ALIQUOT 4	99,62	%	ALIQUOT 5	99,76	%
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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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Addendum N.1

Started on: 05/02/2021

Batch: N721AA0449

Sample description: U-mask R1 - Lot 010/02022021

Lot Number: 10

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)	189	291	902	715	367	319	2783
Positive Control N.2 (CFU)	201	313	1010	739	384	335	2982

*number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2883

Mean Particle Size (MPS)

	MPS
Positive Control N.1 (µm)	2,80
Positive Control N.2 (µm)	2,82
Mean (µm)	2,81

Test specimens Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
N721AA0449-3 - Aliquot 1	0	0	0	0	1	7	8
N721AA0449-3 - Aliquot 2	0	0	0	0	3	4	7
N721AA0449-3 - Aliquot 3	0	0	0	0	2	7	9
N721AA0449-3 - Aliquot 4	0	0	0	0	4	7	11
N721AA0449-3 - Aliquot 5	0	0	0	0	3	4	7

*number of colonies adjusted with positive-hole correction table

Test specimens Bacterial Filtration Efficiency (BFE)

	BFE (%)
N721AA0449-3 - Aliquot 1	99,72
N721AA0449-3 - Aliquot 2	99,76
N721AA0449-3 - Aliquot 3	99,69
N721AA0449-3 - Aliquot 4	99,62
N721AA0449-3 - Aliquot 5	99,76

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