


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 model 2.2																				
MATRIX OF THE PRODUCT	Face Mask – Entire Mask																				
BATCH	012	CODE	2.2																		
EUROFINS COSMETICS & PERSONAL CARE ITALY IDENTIFICATION																					
MATERIAL ITEM ALIQUOT	N721AA1816-1																				
PARCEL REGISTRATION N.	IP-N7-2021144-AAJ	RECEIVING DATE	24 May 2021																		
ANALYSIS STARTING DATE	25 May 2021	ANALYSIS ENDING DATE	26 May 2021																		
EXPERIMENTAL CONDITIONS	Dimension of the test item: 130 mm x 150 mm Dimension of the test specimen (unfolded): 130 mm x 150 mm Size of the area tested: 49 cm ² Flow rate during testing: 28,3 l/min External side of the mask 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>99,85</td> <td>%</td> </tr> <tr> <td>ALIQUOT 2</td> <td>99,92</td> <td>%</td> </tr> <tr> <td>ALIQUOT 3</td> <td>99,92</td> <td>%</td> </tr> <tr> <td>ALIQUOT 4</td> <td>99,81</td> <td>%</td> </tr> <tr> <td>ALIQUOT 5</td> <td>99,92</td> <td>%</td> </tr> </tbody> </table>				RESULT	UNIT	ALIQUOT 1	99,85	%	ALIQUOT 2	99,92	%	ALIQUOT 3	99,92	%	ALIQUOT 4	99,81	%	ALIQUOT 5	99,92	%
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DETAILED RESULTS	See Addendum N. 1 (1 page)																				

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Eurofins Cosmetics & Personal Care Italy Srl – via B.Buozzi 2, Vimodrone (Milano), Italy –
P.IVA / VAT Number: 05533561006

Tel: +39-022507151 – Fax: +39-0225071599 – E-mail: : InfoCosme@eurofins.com



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LAB N° 1827 L

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Addendum N.1

Started on: 25/05/2021

Batch: N721AA1816

Sample description: 2.2 - U-mask model 2.2

Lot Number: 012

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)	144	271	1314	319	230	162	2440
Positive Control N.2 (CFU)	174	285	1438	403	260	166	2726

*number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2583

Mean Particle Size (MPS)

	MPS
Positive Control N.1 (µm)	3,13
Positive Control N.2 (µm)	3,13
Mean (µm)	3,13

Test specimens Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
N721AA1816-1 - Aliquot 1	0	0	0	0	1	3	4
N721AA1816-1 - Aliquot 2	0	0	0	0	1	1	2
N721AA1816-1 - Aliquot 3	0	0	0	0	1	1	2
N721AA1816-1 - Aliquot 4	0	0	0	0	1	4	5
N721AA1816-1 - Aliquot 5	0	0	0	0	1	1	2

*number of colonies adjusted with positive-hole correction table

Test specimens Bacterial Filtration Efficiency (BFE)

	BFE (%)
N721AA1816-1 - Aliquot 1	99,85
N721AA1816-1 - Aliquot 2	99,92
N721AA1816-1 - Aliquot 3	99,92
N721AA1816-1 - Aliquot 4	99,81
N721AA1816-1 - Aliquot 5	99,92

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