

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	N721AA1662-1																				
PARCEL REGISTRATION N.	IP-N7-2021131-AAJ	RECEIVING DATE	11 May 2021																		
ANALYSIS STARTING DATE	12 May 2021	ANALYSIS ENDING DATE	13 May 2021																		
EXPERIMENTAL CONDITIONS	Dimension of the test item: 130 mm x 150 mm Dimension of the test specimen: 130 mm x 150 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	<table border="1"> <thead> <tr> <th></th> <th>RESULT</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>ALIQUOT 1</td> <td>99,82</td> <td>%</td> </tr> <tr> <td>ALIQUOT 2</td> <td>99,96</td> <td>%</td> </tr> <tr> <td>ALIQUOT 3</td> <td>99,96</td> <td>%</td> </tr> <tr> <td>ALIQUOT 4</td> <td>99,73</td> <td>%</td> </tr> <tr> <td>ALIQUOT 5</td> <td>99,96</td> <td>%</td> </tr> </tbody> </table>				RESULT	UNIT	ALIQUOT 1	99,82	%	ALIQUOT 2	99,96	%	ALIQUOT 3	99,96	%	ALIQUOT 4	99,73	%	ALIQUOT 5	99,96	%
	RESULT	UNIT																			
ALIQUOT 1	99,82	%																			
ALIQUOT 2	99,96	%																			
ALIQUOT 3	99,96	%																			
ALIQUOT 4	99,73	%																			
ALIQUOT 5	99,96	%																			
DETAILED RESULTS	See Addendum N. 1 (1 page)																				

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LAB N° 1827 L

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Addendum N.1

Started on: 12/05/2021

Batch: N721AA1662

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)	165	205	874	434	311	166	2155
Positive Control N.2 (CFU)	185	213	921	420	390	162	2291

*number of colonies adjusted with positive-hole correction table

Mean of the total plate counts of the two positive controls (CFU): 2223

Mean Particle Size (MPS)

	MPS
Positive Control N.1 (µm)	2,95
Positive Control N.2 (µm)	2,95
Mean (µm)	2,95

Test specimens Plate Counts

	Stage 1	Stage 2	Stage 3*	Stage 4*	Stage 5*	Stage 6*	Total CFU
N721AA1662-1 - Aliquot 1	0	0	0	0	0	4	4
N721AA1662-1 - Aliquot 2	0	0	0	0	0	1	1
N721AA1662-1 - Aliquot 3	0	0	0	0	0	1	1
N721AA1662-1 - Aliquot 4	0	0	0	0	0	6	6
N721AA1662-1 - Aliquot 5	0	0	0	0	0	1	1

*number of colonies adjusted with positive-hole correction table

Test specimens Bacterial Filtration Efficiency (BFE)

	BFE (%)
N721AA1662-1 - Aliquot 1	99,82
N721AA1662-1 - Aliquot 2	99,96
N721AA1662-1 - Aliquot 3	99,96
N721AA1662-1 - Aliquot 4	99,73
N721AA1662-1 - Aliquot 5	99,96

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