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ARTEA

Company with UNI EN ISO 9001: 2015 and UNI EN ISO 14001: 2015 Certified Management System.Laboratory n. 111 BN registered in the regional register of analysis laboratories that carry out analytical tests relating to self-control DDGRC n. 50 of 04/29/2015.Test laboratory compliant with the requirements of the UNI CEI EN ISO / IEC 17025 standard. Technical Director Dr. Giuseppe Mazza - Member of the Order of Chemists of Campania n. 1147

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 1586 L

TEST REPORT N° 5_24/03/21

Issue date *24/03/2021*

Esteemed Company
Danish Technological Institute
Gregersensvej, 1
00000 Taastrup DK-2630 (-)

Sample type	Materials
Sample received on	18/03/2021
Sample description	CUBO medical.clean 16.03.21 [1]
Sampling site	Sampling performed at the Customer's premises [1]
Sampler	Client [1]
Sampling method	Internal to the Client [1]**
Sample pack	Sample packed in plastic bag
Sample Condition / Seals	Sample delivered in a manner and quantity suitable for carrying out the required analytical investigations.
Transport by	Courier service
Temperature	---

Sample Protocol 06_180321 del 18/03/21

Description CUBO medical.clean 16.03.21

Testing *Start date - End date*	Result	U.M	Method	EN 14683:2019 Table1 I	II	IIR
Bacterial Filtration Efficiency *19/03/2021 - 21/03/2021*	99,8	%	EN 14683:2019/AC 2019 App B	≥95	≥98	≥98
Negative Control	0					
1) Positive Control	2313	UFC				
2) Positive Control	2223	UFC				
1) BFE	99,8	%		≥95	≥98	≥98
2) BFE	99,9	%		≥95	≥98	≥98
3) BFE	99,9	%		≥95	≥98	≥98
4) BFE	99,9	%		≥95	≥98	≥98
5) BFE	99,9	%		≥95	≥98	≥98

Additional information

The analytical determinations were performed on 5 specimens, cut from complete masks / original fabric that makes up the mask.
Each sample is 100mm × 100mm in size and includes all mask layers in the order they are inserted into the full mask.
Each sample is conditioned at (21 ± 5) ° C and (85 ± 5)% relative humidity for at least 4 hours.
The test is performed with the inside of the mask in contact whit the bacterial suspension.
The test area has a size of 49 cm².
The flow rate during the test is equal to 28.3 l/min.

The final test value is the lowest BFE result found in the tests performed.

(**) Sampling not subject to ACCREDIA accreditation

(1) Information provided by the customer, the laboratory declines all responsibility.

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FOLLOWS TEST REPORT N° 5_24/03/21

Issue date *24/03/2021*

Legislative notes

(14683en) = EN 14683: 2019 Facial masks for medical use - Requirements and test methods - Table 1 "Performance requirements for masks for medical use".

I = Type I medical face mask
II = Type II medical face mask
IIR = Type IIR medical face mask

Declaration of Conformity

For the parameters analyzed, according to the EN 14683: 2019 Table 1 standard, the sample complies with the performance characteristics envisaged for TYPE II medical masks.

The results contained in this Report refer exclusively to the sample as received in the laboratory

The results refer to the tested sample only and do not imply a lot or whole lot approval; if the Customer is responsible for the Sampling phase, the results refer to the sample a received. The Laboratory declines all responsibility for the calculated results considering the sampling data provided by the Customer.

The samples are kept in this laboratory until the completion of the tests, excluding the official samples.

The uncertainties associated with the test results were calculated with a coverage factor k = 2 equal to a confidence level of 95%.
In the event that a declaration of conformity is formulated, for the purposes of the acceptability of the analytical data with respect to a limit value / guide value, the estimated uncertainty and / or estimated confidence interval is not taken into account.

It is absolutely forbidden to modify even partially the data contained.

U.M =Unit of measure LOQ =Quantification limit Ref.=Normative reference PP=Internal method (Test procedure)

---------- End of the test report----------

Technical Director
Dott. Giuseppe Mazza

Document digitally signed by Dr. Giuseppe Mazza - Order of Chemists of Campania N.1147

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