nutrilab

Certificate of analysis

Order-no : 843146

RIVM - (Corona Advies)

A.van Leeuwenhoeklaan 9
3721 MA BILTHOVEN

Description	:	1695-2			
Client project-no	:	5.1.2e			
Sample received	:	06-07-2020	Sample date	:	
Report date	:	08-07-2020	Start date microbiology	:	06-07-2020
Sampling	:		Sample delivery	:	Mail/Courier
Packing	:	Plastic bag	Sample temperature	:	Room temperature
Sealed	:	No	Sample condition	:	Sample and packing intact

Test			Result	
Bacterial Filtration Efficiency (BFE)				
I 35000	Testing BFE (n=5) (equiv. NEN-EN 14683+C1)			
I 35050	Test conditions			
I 35051	Dimensions of test specimens (width x height)		Whole mask	
I 35052	Size of the area tested (width x height)		48.0	cm^2
I 35053	Side facing the aerosol		Face side	
I 35054	Flow rate during testing		28.3	L/min
I 35060	Mean of the total plate counts of the two positive controls		2,419.5	cfu
I 35070	Mean plate count of the negative controls		0	cfu
I 35100	Bacterial Filtration Efficiency (BFE, equiv. NEN-EN 14683+C1)			
I 35101	BFE specimen 1		99.9	%
I 35102	BFE specimen 2		100.0	%
I 35103	BFE specimen 3		100.0	%
I 35104	BFE specimen 4		100.0	%
I 35105	BFE specimen 5		99.9	%
I 35199	Average BFE		100.0	%
Conclusion*				
I 35290	Mask type based on BFE performance requirements for medical face masks		I/II/IIR	

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Explanation of symbols:

Q RvA accreditated test (ISO / IEC 17025)
I Test performed by Nutrilab BV
E Test performed by sub-contractor

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*) Performance requirements for medical face masks (acc. European Standard no. EN 14683:2019+AC):

Bacterial filtration efficiency (BFE) (%): Type I a >= 95, Type II >= 98, Type IIR >= 98
Differential pressure (Pa/cm2): Type I a < 40, Type II < 40, Type IIR < 60
Splash resistance pressure (kPa): Type I a Not required, Type II Not required, Type IIR >= 16.0
Microbial cleanliness (cfu/g): Type I a <= 30, Type II <= 30, Type IIR <= 30

a) Type I medical face masks should only be used for patients and other persons to reduce the risk of spread of infections particularly in epidemic or pandemic situations.
Type I masks are not intended for use by healthcare professionals in an operating room or in other medical settings with similar requirements.

This certificate of analysis is a test report. The tested samples are part of the mentioned batch/lot number. Batch validation is not the scope of this report.

Start date analysis: 06-07-2020, end date: 08-07-2020.

Findings are based on the sample as submitted. For more detailed information on applied methods please contact the operational manager.
Any interpretation of analytical results mentioned on this certificate lies outside the scope of accreditation.
With the unit % is meant: w/w%, unless otherwise stated.
Nutrilab is not responsible for the information provided by the client.

5.1.2e

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