



nutrilab

Certificate of analysis

Order-no : 843143

RIVM - (Corona Advies)

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Description	: 1761-3	Sample date	:
Client project no	: 5.1.2e	Start date microbiology	: 06-07-2020
Sample received	: 06-07-2020	Sample delivery	: Mail/Courier
Report date	: 08-07-2020	Sample temperature	: Room temperature
Sampling	:	Sample condition	: Sample and packing intact
Packing	: Plastic bag		
Sealed	: No		

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	100.0 %
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/III
I 35699 Mask type based on overall performance requirements for medical face masks	x





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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.

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5.1.2e

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Explanation of symbols:

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