

832147 Order-no:

RIVM - (Corona Advies)

A.van Leeuwenhoeklaan 9 3721 MA BILTHOVEN

Description BATCH X153 Client project-no 20200602

Sample received 02-06-2020 Sample date

Report date 04-06-2020 Start date microbiology 02-06-2020 Sampling Sample delivery Mail/Courier

Packing Sample temperature Original

Sealed Sample condition Sample and packing intact 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	1,942	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	99.8	%
I 35102	BFE specimen 2	99.8	%
I 35103	BFE specimen 3	99.5	%
I 35104	BFE specimen 4	99.6	%
I 35105	BFE specimen 5	99.8	%
I 35199	Average BEE	99.7	%

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Explanation of symbols:

- RvA accreditated test (ISO / IEC 17025) Test performed by Nutritab BV 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 < 40 Splash resistance pressure (kPa): Type I a Not required, Type II Not required, Type IIR >= 16.0Microbial 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: 02-06-2020, end date: 02-06-2020.

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.

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