

TEST REPORT: 7191241766-CHM20-01-RC

Date: 24 AUG 2020

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Client's Ref:

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SUBJECT

Bacterial Filtration Efficiency (BFE)

CLIENT

SHR Germany Onlineshop GmbH
Hans-Sachs-Straße 17,
40721 Hilden, Germany

Attn : Mr. Günay

SAMPLE SUBMISSION DATE / TEST DATE

06 Aug 2020 / 19 Aug 2020

DESCRIPTION OF SAMPLE

One mask sample described as below was received:

Product Name / Brand Name	Manufacturer Name	Lot Number
Einwegmaske / OP-Maske	SHR Germany GmbH	Nil



TÜV SÜD PSB

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DESCRIPTION OF SAMPLE (cont'd)



Figure 1: "Einwegmaske / OP-Maske" mask sample as received

METHOD OF TEST

BS EN 14683:2019 "Medical face masks – Requirement and test methods" Annex B – Method for *in vitro* determination of bacterial filtration efficiency (BFE)

Area contacting with the bacterial challenge: Inside of the mask

Flowrate: 28.3 ± 0.3 L/min

Mean particle size of the challenge aerosol: $3 \mu\text{m} \pm 0.3 \mu\text{m}$

Test area: Approximately 50 cm^2

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RESULTS

Sample Description: Einwegmaske / OP-Maske

Test sample/ controls	Stage 1, CFU	Stage 2, CFU	Stage 3, CFU	Stage 4, CFU	Stage 5, CFU	Stage 6, CFU	Sum of Total plate count for the 6 sieves, CFU	Average Count for Controls, CFU	BFE (%)
-ve Control	0	0	0	0	0	0	0		
+ve Control 1	160	368	746	724	658	19	2675	2620	
+ve Control 2	142	325	641	764	678	14	2564		
Sample 1	0	0	0	0	0	0	0		100.00
Sample 2	0	0	0	0	0	0	0		100.00
Sample 3	0	0	0	0	0	0	0		100.00
Sample 4	0	0	0	0	0	0	0		100.00
Sample 5	0	0	0	0	0	0	0		100.00

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Notes :

CFU : Colony Forming Unit
BFE : Bacterial Filtration Efficiency

Remarks :

The above test results relate to the samples as received.

A handwritten signature in black ink, appearing to read 'Hwy'.

MS AW HWEE YING
HIGHER TECHNICAL EXECUTIVE

A handwritten signature in black ink, appearing to read 'Randy'.

MR RANDY CHIN KOK FEI
PRODUCT MANAGER
MICROBIOLOGY
CHEMICAL & MATERIALS



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July 2011

