

## Test report - PMFT 1000 - Breath resistance / Valve test

Operator	Date	Time	Vesion
Carsten	21.07.2022	09:44:20	1.11.1.0

### Basic information

Operation parameter		Test conditions	
Script	Atemwiderstand	Temperature	29.35 °C
Aerosol	Pressurized air	rel. humidity	3.07 %

### Mask information

Mask ID	13868_20220721_094420
Mask lot	220720-F-L1-1-M2a-A-IN_D_
Mask type	DMASKE / Chargentest / FFP 2

### Result

Description	Main air	Differential pressure	Upper limit	Result
Inhalation 1	30.21 l/min	44.26 Pa	70.00 Pa	✔ pass
Inhalation 2	94.81 l/min	137.25 Pa	240.00 Pa	✔ pass
Exhalation	159.94 l/min	230.37 Pa	300.00 Pa	✔ pass



Calibration valid until 03.09.2022

## Test report - PMFT 1000 - Oil penetration

Operator	Date	Time	Vesion
Carsten	21.07.2022	09:49:01	1.11.1.0

### Basic information

Operation parameter	
Script	Effizienz Test (Öl)
Aerosol	Oil
Main air	94.82 l/min
Generator air	2.44 l/min

Test conditions	
Temperature	29.45 °C
rel. humidity	4.06 %
Mass concentration	21.41 mg/m <sup>3</sup>

### Mask information

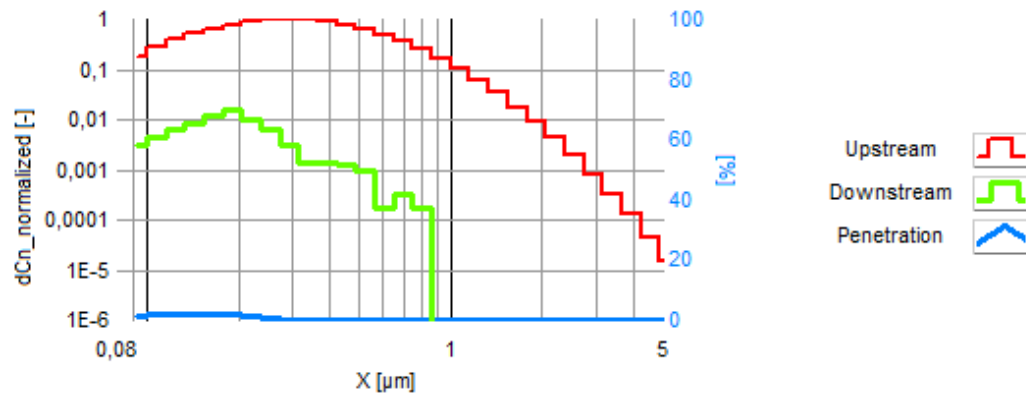
Mask ID	13868_20220721_094901
Mask lot	220720-F-L1-1-M2a-A-IN_D_
Mask type	DMASKE / Chargentest / FFP 2

### Result

Calculation of the penetration is based on the following parameters:  $X_g = 0.29 \mu\text{m}$ ,  $\text{Sigma} = 1.85$

Penetration	Measurement	Upper limit	Result
P_SARS_CoV-2 (0.15 $\mu\text{m}$ )	1.72 %	20.00 %	✔ pass
P_m	0.08 %		
P_Ph_45°	0.17 %	6.00 %	✔ pass

### Distributions



Calibration valid until 03.09.2022