

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

Operator	Date	Time	Vesion
Carsten	21.07.2022	10:51:44	1.11.1.0

### Basic information

Operation parameter		Test conditions	
Script	Atemwiderstand	Temperature	29.84 °C
Aerosol	Pressurized air	rel. humidity	1.85 %

### Mask information

Mask ID	13868_20220721_105144
Mask lot	220721-F-L5-1-LK-A-IN
Mask type	DMASKE / Chargentest / FFP 2

### Result

Description	Main air	Differential pressure	Upper limit	Result
Inhalation 1	30.15 l/min	52.65 Pa	70.00 Pa	✔ pass
Inhalation 2	94.90 l/min	159.99 Pa	240.00 Pa	✔ pass
Exhalation	160.07 l/min	292.62 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	10:56:01	1.11.1.0

### Basic information

Operation parameter	
Script	Effizienz Test (Öl)
Aerosol	Oil
Main air	94.81 l/min
Generator air	2.44 l/min

Test conditions	
Temperature	29.84 °C
rel. humidity	2.45 %
Mass concentration	21.12 mg/m <sup>3</sup>

### Mask information

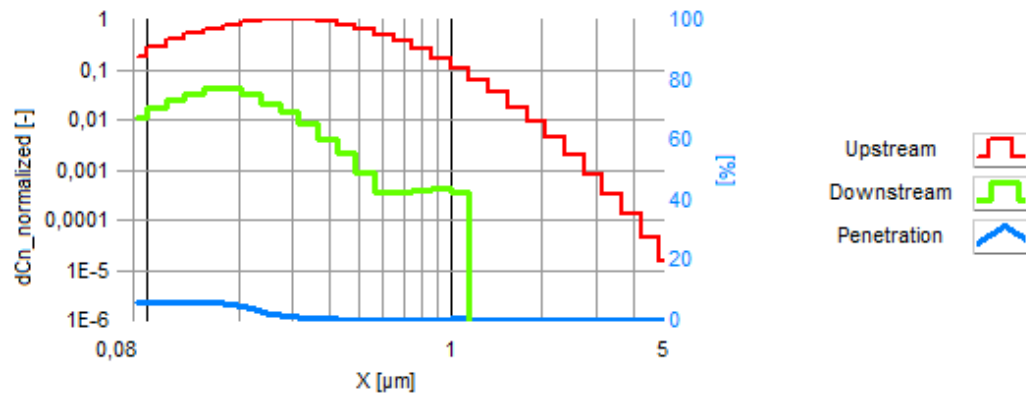
Mask ID	13868_20220721_105601
Mask lot	220721-F-L5-1-LK-A-IN
Mask type	DMASKE / Chargentest / FFP 2

### 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 $\mu\text{m}$ )	6.15 %	20.00 %	✓ pass
P_m	0.27 %		
P_Ph_45°	0.54 %	6.00 %	✓ pass

### Distributions



Calibration valid until 03.09.2022