

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

Operator	Date	Time	Vesion
Carsten	22.07.2022	13:22:13	1.11.1.0

### Basic information

Operation parameter		Test conditions	
Script	Atemwiderstand	Temperature	25.92 °C
Aerosol	Pressurized air	rel. humidity	2.44 %

### Mask information

Mask ID	13868_20220722_132213
Mask lot	220722-F-L4-1-M2a-A-IN_DM
Mask type	DMASKE / Chargentest / FFP 2

### Result

Description	Main air	Differential pressure	Upper limit	Result
Inhalation 1	30.22 l/min	37.16 Pa	70.00 Pa	✔ pass
Inhalation 2	94.70 l/min	124.73 Pa	240.00 Pa	✔ pass
Exhalation	159.92 l/min	218.63 Pa	300.00 Pa	✔ pass



Calibration valid until 03.09.2022

# Test report - PMFT 1000 - Oil penetration

Operator	Date	Time	Vesion
Carsten	22.07.2022	13:26:37	1.11.1.0

## Basic information

Operation parameter	
Script	Effizienz Test (Öl)
Aerosol	Oil
Main air	94.83 l/min
Generator air	2.49 l/min

Test conditions	
Temperature	25.93 °C
rel. humidity	3.22 %
Mass concentration	18.77 mg/m³

## Mask information

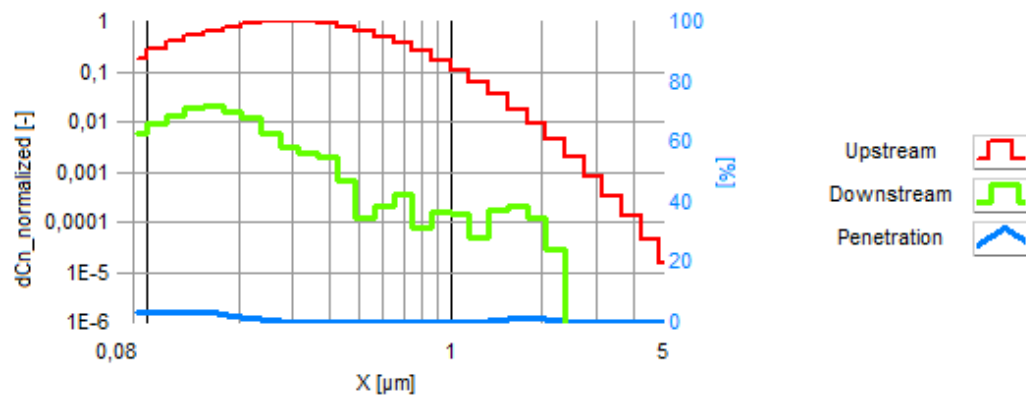
Mask ID	13868_20220722_132637
Mask lot	220722-F-L4-1-M2a-A-IN_DM
Mask type	DMASKE / Chargentest / FFP 2

## 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 $\mu\text{m}$ )	3.40 %	20.00 %	✓ pass
P_m	0.29 %		
P_Ph_45°	0.23 %	6.00 %	✓ pass

## Distributions



Calibration valid until 03.09.2022