

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

Operator	Date	Time	Vesion
Saad Benchakroun	01.02.2022	12:17:06	1.11.1.0

### Basic information

Operation parameter		Test conditions	
Script	Atemwiderstand	Temperature	22.88 °C
Aerosol	Pressurized air	rel. humidity	2.92 %

### Mask information

Mask ID	13868_20220201_121706
Mask lot	220201-F-L2-1-XSLght-A-IN
Mask type	DMASKE / Chargentest / FFP 2

### Result

Description	Main air	Differential pressure	Upper limit	Result
Inhalation 1	29.96 l/min	26.44 Pa	70.00 Pa	✔ pass
Inhalation 2	94.81 l/min	77.40 Pa	240.00 Pa	✔ pass
Exhalation	160.04 l/min	145.88 Pa	300.00 Pa	✔ pass



Calibration valid until 03.09.2022

## Test report - PMFT 1000 - Oil penetration

Operator	Date	Time	Vesion
Saad Benchakroun	01.02.2022	12:21:41	1.11.1.0

### Basic information

Operation parameter	
Script	Effizienz Test (Öl)
Aerosol	Oil
Main air	94.87 l/min
Generator air	2.68 l/min

Test conditions	
Temperature	22.89 °C
rel. humidity	2.44 %
Mass concentration	21.45 mg/m <sup>3</sup>

### Mask information

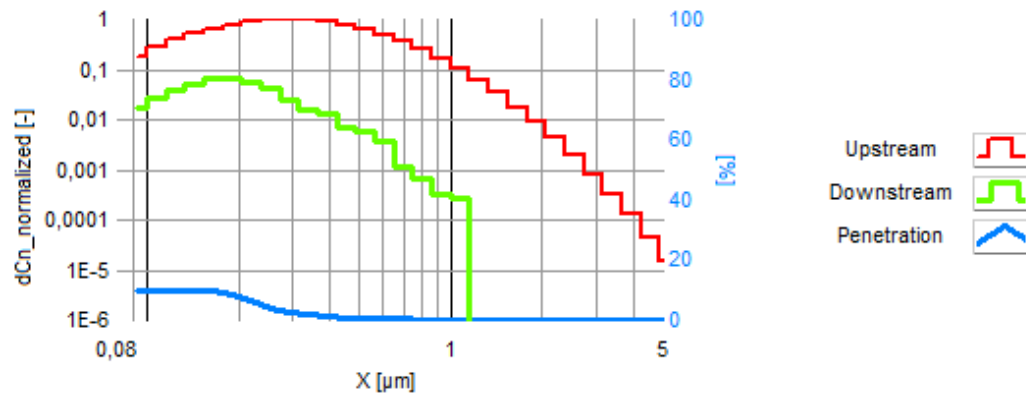
Mask ID	13868_20220201_122141
Mask lot	220201-F-L2-1-XSLght-A-IN
Mask type	DMASKE / Chargentest / FFP 2

### 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 $\mu\text{m}$ )	9.88 %	6.00 %	❌ fail
P_m	0.56 %		
P_Ph_45°	1.19 %	6.00 %	✅ pass

### Distributions



Calibration valid until 03.09.2022