

Test report - PMFT 1000 - Breath resistance / Valve test

| | | | |
|----------|------------|----------|----------|
| Operator | Date | Time | Vesion |
| Carsten | 27.05.2022 | 09:10:44 | 1.11.1.0 |

Basic information

| | | | |
|---------------------|-----------------|-----------------|----------|
| Operation parameter | | Test conditions | |
| Script | Atemwiderstand | Temperature | 21.83 °C |
| Aerosol | Pressurized air | rel. humidity | 3.98 % |

Mask information

| | |
|-----------|------------------------------|
| Mask ID | 13868_20220527_091044 |
| Mask lot | 220524-F-L1-2-M2a-A-IN_DM |
| Mask type | DMASKE / Chargentest / FFP 2 |

Result

| Description | Main air | Differential pressure | Upper limit | Result |
|--------------|--------------|-----------------------|-------------|--------|
| Inhalation 1 | 30.12 l/min | 39.38 Pa | 70.00 Pa | ✔ pass |
| Inhalation 2 | 94.75 l/min | 118.60 Pa | 240.00 Pa | ✔ pass |
| Exhalation | 159.99 l/min | 202.40 Pa | 300.00 Pa | ✔ pass |



Calibration valid until 03.09.2022

Test report - PMFT 1000 - Oil penetration

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|----------|------------|----------|----------|
| Operator | Date | Time | Vesion |
| Carsten | 27.05.2022 | 09:14:47 | 1.11.1.0 |

Basic information

| | |
|---------------------|---------------------|
| Operation parameter | |
| Script | Effizienz Test (Öl) |
| Aerosol | Oil |
| Main air | 94.89 l/min |
| Generator air | 2.69 l/min |

| | |
|--------------------|-------------------------|
| Test conditions | |
| Temperature | 21.83 °C |
| rel. humidity | 3.22 % |
| Mass concentration | 18.84 mg/m ³ |

Mask information

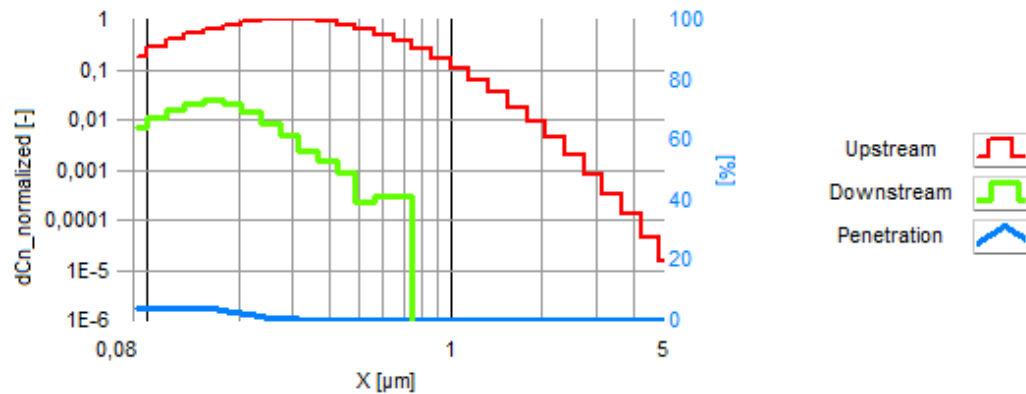
| | |
|-----------|------------------------------|
| Mask ID | 13868_20220527_091447 |
| Mask lot | 220524-F-L1-2-M2a-A-IN_DM |
| Mask type | DMASKE / Chargentest / FFP 2 |

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 μm) | 3.89 % | 20.00 % | ✔ pass |
| P_m | 0.09 % | | |
| P_Ph_45° | 0.20 % | 6.00 % | ✔ pass |

Distributions



Calibration valid until 03.09.2022