

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

|                      |            |          |          |
|----------------------|------------|----------|----------|
| Operator             | Date       | Time     | Vesion   |
| Christopher Reinhold | 10.11.2021 | 12:44:40 | 1.11.1.0 |

### Basic information

|                     |                 |                 |          |
|---------------------|-----------------|-----------------|----------|
| Operation parameter |                 | Test conditions |          |
| Script              | Atemwiderstand  | Temperature     | 22.22 °C |
| Aerosol             | Pressurized air | rel. humidity   | 3.55 %   |

### Mask information

|           |                              |
|-----------|------------------------------|
| Mask ID   | 13868_20211110_124440        |
| Mask lot  | 211110-F-04-2-A-IN           |
| Mask type | DMASKE / Chargentest / FFP 2 |

### Result

| Description  | Main air     | Differential pressure | Upper limit | Result |
|--------------|--------------|-----------------------|-------------|--------|
| Inhalation 1 | 30.02 l/min  | 34.01 Pa              | 70.00 Pa    | ✔ pass |
| Inhalation 2 | 94.63 l/min  | 102.18 Pa             | 240.00 Pa   | ✔ pass |
| Exhalation   | 159.94 l/min | 170.44 Pa             | 300.00 Pa   | ✔ pass |

Calibration valid until 03.09.2022

# Test report - PMFT 1000 - Oil penetration

|                      |            |          |          |
|----------------------|------------|----------|----------|
| Operator             | Date       | Time     | Vesion   |
| Christopher Reinhold | 10.11.2021 | 12:50:20 | 1.11.1.0 |

## Basic information

|                     |                     |
|---------------------|---------------------|
| Operation parameter |                     |
| Script              | Effizienz Test (Öl) |
| Aerosol             | Oil                 |
| Main air            | 94.94 l/min         |
| Generator air       | 2.59 l/min          |

|                    |             |
|--------------------|-------------|
| Test conditions    |             |
| Temperature        | 22.32 °C    |
| rel. humidity      | 3.03 %      |
| Mass concentration | 18.40 mg/m³ |

## Mask information

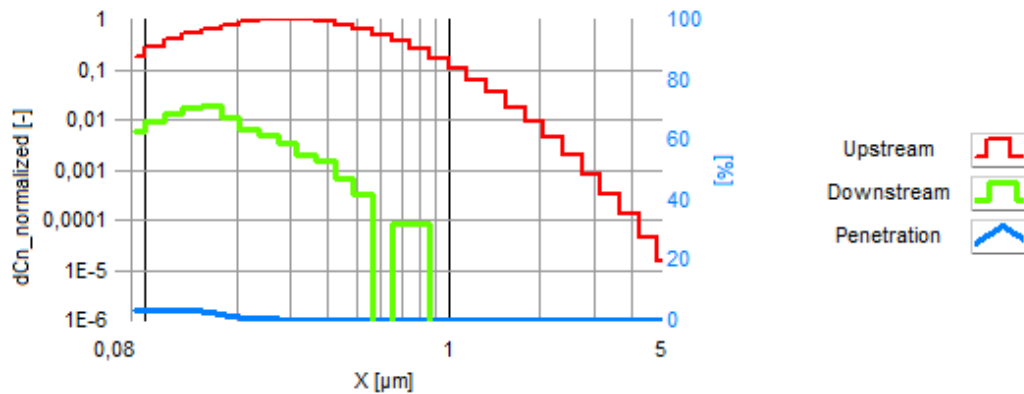
|           |                              |
|-----------|------------------------------|
| Mask ID   | 13868_20211110_125020        |
| Mask lot  | 211110-F-04-2-A-IN           |
| Mask type | DMASKE / Chargentest / FFP 2 |

## 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 $\mu\text{m}$ ) | 3.16 %      | 30.00 %     | ✓ pass |
| P_m                                | 0.06 %      |             |        |
| P_Ph_45°                           | 0.13 %      | 6.00 %      | ✓ pass |

## Distributions



Calibration valid until 03.09.2022