

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

|                         |            |          |          |
|-------------------------|------------|----------|----------|
| Operator                | Date       | Time     | Vesion   |
| Demet Kilicaslan-Yalcin | 23.02.2022 | 13:10:57 | 1.11.1.0 |

### Basic information

|                     |                 |                 |          |
|---------------------|-----------------|-----------------|----------|
| Operation parameter |                 | Test conditions |          |
| Script              | Atemwiderstand  | Temperature     | 24.47 °C |
| Aerosol             | Pressurized air | rel. humidity   | 2.75 %   |

### Mask information

|           |                              |
|-----------|------------------------------|
| Mask ID   | 13868_20220223_131057        |
| Mask lot  | 220223-F-L43-2-M2-A-IN       |
| Mask type | DMASKE / Chargentest / FFP 2 |

### Result

| Description  | Main air     | Differential pressure | Upper limit | Result |
|--------------|--------------|-----------------------|-------------|--------|
| Inhalation 1 | 30.03 l/min  | 39.49 Pa              | 70.00 Pa    | ✔ pass |
| Inhalation 2 | 94.69 l/min  | 119.51 Pa             | 240.00 Pa   | ✔ pass |
| Exhalation   | 160.00 l/min | 210.39 Pa             | 300.00 Pa   | ✔ pass |



Calibration valid until 03.09.2022

## Test report - PMFT 1000 - Oil penetration

|                         |            |          |          |
|-------------------------|------------|----------|----------|
| Operator                | Date       | Time     | Vesion   |
| Demet Kilicaslan-Yalcin | 23.02.2022 | 13:15:36 | 1.11.1.0 |

### Basic information

|                     |                     |
|---------------------|---------------------|
| Operation parameter |                     |
| Script              | Effizienz Test (Öl) |
| Aerosol             | Oil                 |
| Main air            | 94.95 l/min         |
| Generator air       | 2.59 l/min          |

|                    |                         |
|--------------------|-------------------------|
| Test conditions    |                         |
| Temperature        | 24.49 °C                |
| rel. humidity      | 2.26 %                  |
| Mass concentration | 20.48 mg/m <sup>3</sup> |

### Mask information

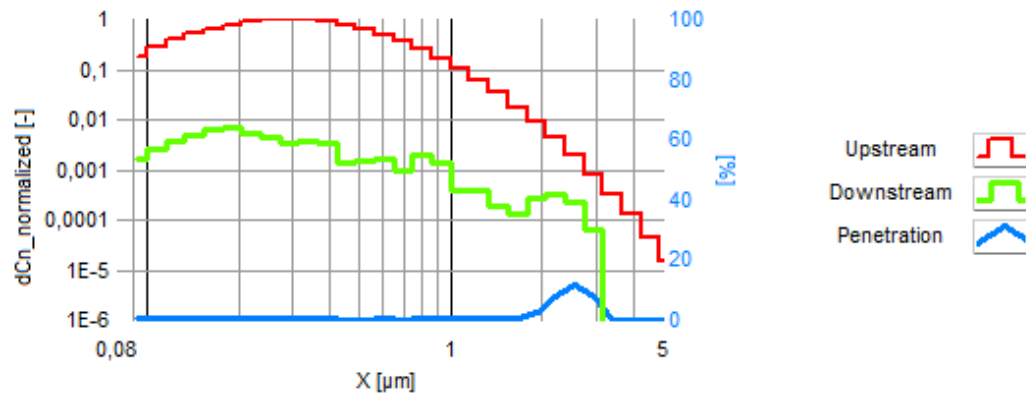
|           |                              |
|-----------|------------------------------|
| Mask ID   | 13868_20220223_131536        |
| Mask lot  | 220223-F-L3-2-M2-A-IN        |
| Mask type | DMASKE / Chargentest / FFP 2 |

### 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 $\mu\text{m}$ ) | 0.97 %      | 20.00 %     | ✓ pass |
| P_m                                | 1.19 %      |             |        |
| P_Ph_45°                           | 0.55 %      | 6.00 %      | ✓ pass |

### Distributions



Calibration valid until 03.09.2022