

Testcertificaat Particle Penetration



| | |
|-----------------|--------------|
| Datum | 1 april 2020 |
| Inkoopnummer | X108 |
| Lotnummer | - |
| Productnaam | 5.1.1c |
| Leverancier | - |
| Type mondmasker | - |

Voor het bepalen van de deeltjesdoorlaat van de mondmaskers zijn er testen uitgevoerd op 3 verschillende maskers. Per masker zijn er minimaal 5 metingen uitgevoerd. Onderstaand de gemiddelden van de 5 metingen per masker.

Klasse indeling conform NEN-EN 149

| | |
|-------|---------------|
| FFP 1 | : $\geq 80\%$ |
| FFP 2 | : $\geq 94\%$ |
| FFP 3 | : $\geq 99\%$ |

| | |
|-------------|-----------|
| Test medium | NaCl |
| Flow | 95 l/min. |

| | Gemiddelde rendement voor deeltjes $\geq 0,3\mu\text{m}$ | Pass or Fail t.o.v. P1/P2/P3 |
|--------------------|--|------------------------------|
| Masker 1 | 96,4% | Pass for P2 |
| Masker 2 | 96,3% | Pass for P2 |
| Masker 3 | 97,0% | Pass for P2 |
| Overall gemiddelde | 96,5% | Pass for P2 |

| |
|-------------------------------------|
| Eindoordeel (P1/P2/P3) |
| Voldoet aan de eisen van klasse P2. |

| | |
|------|--------|
| Naam | 5.1.2e |
|------|--------|

Bijlage : Ruwe data

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KALIBRA 

Datum 1 april 2020

Uitgevoerd door 5.1.2e

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| Type mondk masker | - |

| | |
|----------------------|---------------|
| Gebruikte apparatuur | |
| Aerosol generator | 226 19 04 4C9 |
| Deeltjesteller 1 | X079-03 |
| Deeltjesteller 2 | X079-04 |
| Anemometer | F024 |
| Drukmeter | F011 |

| Masker | Meting | Deeltjesgrootte | Upstream | Downstream | Rendement | Gemiddeld |
|--------|--------|-----------------|-------------|------------|-----------|-----------|
| 1 | 1 | ≥ 0,3µm | 585.538.354 | 19.292.049 | 96,71 | 96,42 |
| | 2 | | 561.086.832 | 19.400.111 | 96,54 | |
| | 3 | | 549.318.573 | 19.638.132 | 96,43 | |
| | 4 | | 538.777.145 | 20.297.810 | 96,23 | |
| | 5 | | 513.984.130 | 19.467.916 | 96,21 | |
| | 1 | ≥ 0,5µm | 87.921.511 | 866.621 | 99,01 | 98,89 |
| | 2 | | 82.511.658 | 861.677 | 98,96 | |
| | 3 | | 79.065.653 | 849.317 | 98,93 | |
| | 4 | | 76.357.724 | 917.828 | 98,80 | |
| | 5 | | 68.540.469 | 856.380 | 98,75 | |

| Masker | Meting | Deeltjesgrootte | Upstream | Downstream | Rendement | Gemiddeld |
|--------|--------|-----------------|-------------|------------|-----------|-----------|
| 2 | 1 | ≥ 0,3µm | 500.664.145 | 18.796.937 | 96,25 | 96,26 |
| | 2 | | 480.222.956 | 18.018.602 | 96,25 | |
| | 3 | | 481.698.403 | 17.745.266 | 96,32 | |
| | 4 | | 477.816.262 | 17.830.728 | 96,27 | |
| | 5 | | 472.442.782 | 17.831.787 | 96,23 | |
| | 1 | ≥ 0,5µm | 66.539.894 | 769.859 | 98,84 | 98,82 |
| | 2 | | 62.039.039 | 723.244 | 98,83 | |
| | 3 | | 62.671.172 | 712.650 | 98,86 | |
| | 4 | | 62.190.539 | 793.468 | 98,72 | |
| | 5 | | 62.031.976 | 710.177 | 98,86 | |

| Masker | Meting | Deeltjesgrootte | Upstream | Downstream | Rendement | Gemiddeld |
|--------|--------|-----------------|-------------|------------|-----------|-----------|
| 3 | 1 | ≥ 0,3µm | 470.012.427 | 14.240.286 | 96,97 | 96,96 |
| | 2 | | 465.216.695 | 14.128.691 | 96,96 | |
| | 3 | | 454.126.831 | 14.003.677 | 96,92 | |
| | 4 | | 444.635.661 | 13.398.031 | 96,99 | |
| | 5 | | 431.429.388 | 13.063.248 | 96,97 | |
| | 1 | ≥ 0,5µm | 60.210.093 | 617.653 | 98,97 | 98,99 |
| | 2 | | 60.217.509 | 590.461 | 99,02 | |
| | 3 | | 58.118.052 | 578.101 | 99,01 | |
| | 4 | | 56.291.577 | 594.345 | 98,94 | |
| | 5 | | 54.200.243 | 539.255 | 99,01 | |