

## Bio functional nanofiber based FFP3 respirator

1

### Coarse filter layer

- For coarse, dust particles filtration

2

### Thin nanofiber based biofunctional filtration layer

- **FFP3** breathing protection performed mask
- **Strong antibacterial effect**
- Protects against allergens, bacterial and mould fungi
- **Great breathability** – through whole surface area
- **No ventile** needed

3

### Support layer

- For comfortable use
- Perfectly fitting shape toward face
- **Perfect fit factor**



### New Innovative Filtration Technology

Removes and Eliminates



Pollen



Bacterium



Diesel particles



Mould



### Distributor

MXTech Ltd.

47 Świeradowska St  
02-662 Warsaw  
Poland

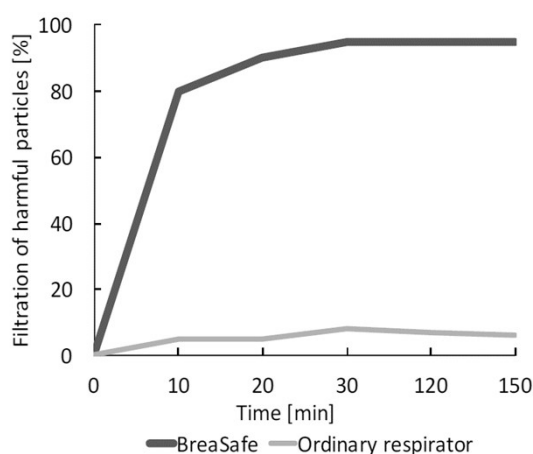
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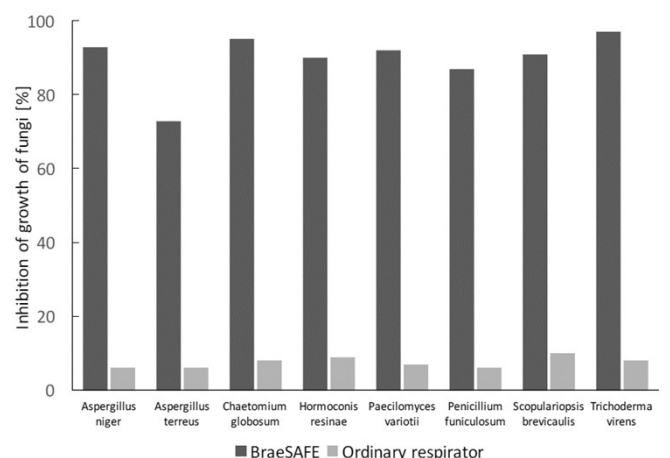
## Bio functional nanofiber based FFP3 respirator

- World unique nanofibre based respirators with exceptional properties and innovative filtration technology
- Filtration efficiency FFP3 according the EU norm EN 143
- Removes pollen, allergens, diesel soot and particulate matter as well as other particles larger than 0.3  $\mu\text{m}$  up to 99.8 %
- Breathable through whole surface [150  $\text{cm}^2$ ]
- Stable antimicrobial property prevents mould and bacterial growth
- Lightweight and comfortable for use
- High air permeable due to the very thin nanofiber layer » very low pressure drop [100 Pa]
- Resistant against moisture
- Green technology » lamination of the layers without harmful glue, only by heating and pressing
- Mechanical stable
- Tailored for high physical activity as well for daily use
- Great sealing properties and Fit Factor
- Meet skin contact and hygiene requirements

**Copmarison between BreaSAFE Active carbon Respirators and ordinary one in efficiency of filtration of harmful particles**



**Copmarison between BreaSAFE Active carbon Respirators and ordinary one in growth of fungi on the surface of respirator**



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