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WK Med Tec  
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**31675 Bückeberg**

- KLINIK- UND PRAXISHYGIENE ✓
  - AUFBEREITUNG VON DENTALEINHEITEN
  - GEFÄHRDUNGSBEURTEILUNGEN
  - HYGIENEKONZEPTE
- RAUMLUFTANLAGEN ✓
  - FACHGUTACHTEN NACH VDI 6022
  - SCHIMMELBEHANDLUNGEN
  - ANLAGENOPTIMIERUNGEN
- TRINKWASSERANLAGEN ✓
  - FACHGUTACHTEN NACH VDI 6023
  - ANLAGENDESINFEKTIONEN
  - SANIERUNGSKONZEPTE
  - INSTANDSETZUNGEN
  - WARTUNGEN NACH VDI 806-5
- BADEBECKENANLAGEN ✓
  - HYGIENEKONZEPTE
  - AUFBEREITUNGEN
- SCHULUNGEN ✓
  - PROBENNAHMESCHULUNG
  - HYGIENEUNTERWEISUNGEN

Technical confirmation of advertising and marketing  
statements regarding microbiocidal efficacy  
of the devices "Air Sanitizer Blue Taction" and "Air Sanitizer Blue Taction  
Pro" when used to interrupt aerogenic chains of infection indoors  
Company WK Med Tec GmbH, 31675 Bückeberg

As part of extensive microbiological investigations, the devices "Air Sanitizer Blue Taction" and "Air Sanitizer Blue Taction Pro" were examined with regard to the microbiocidal efficacy of interrupting aerogenic chains of infection indoors.

Types submitted for examination:

Air Sanitizer Blue Taction Reference

Number: 025-00001

Serial number: 2102500001

Air Sanitizer Blue Taction Pro:

Reference Number: 026-00001

Serial number: 2102600001

The devices include a plasma generator. This component converts oxygen from the air and water vapour contained in the air into disinfectant-active plasma reaction products by means of controlled electrical discharges. Relevant products are primarily hydroxyl radicals, which lead to an electron withdrawal of organic target substances, so that microbiological structures are irreversibly changed by this oxidation process and thus microorganisms can be inactivated.

This predominantly physical method enables a selective effect against bacterial, virus-related and fungal-associated pathogens, while higher structures (for example, human tissues) are not impaired.

The microbiological tests were carried out against the background of the issue of disinfection of interiors. Both contamination and decontamination tests were carried out; furthermore, application studies in practically used interiors (using the example of classrooms in schools) were also carried out.

The investigations were carried out between 2020 and 2022.

The corresponding test reports of these investigations are to be considered in accordance with this document and made available by the client on request.

From the point of view of our investigations, the associated standards, rules and recommendations, the following statements regarding characteristics and effectiveness with regard to the aforementioned devices are factually and technically correct:

#### **Efficacy as active dynamics (strength) and active kinetics (velocity)**

- Elimination of up to 99.99 % of airborne pathogens<sup>1</sup>
- Elimination of up to 99.99 % native bacteria, fungi & enveloped viruses
- Eliminates up to 99.99 % of pathogens (e.g. SARS-CoV-2 & molds) \*
- Eliminates bacteria, viruses, fungi, pollen<sup>2</sup>
- Reduces odors, ideal for kitchens & restaurants
- Ideal for allergy sufferers
- Effective & safe procedure for indoor air treatment (complements normal ventilation measures)

#### **Mode of action**

- After 60 minutes, there is no longer any risk of infection in the room<sup>3</sup>
- No risk of infection during continuous operation
- Risk of transmission of infections through indoor air is significantly minimized / reduced to a maximum low level

#### **Room <sup>size</sup>4**

- Suitable for rooms up to 40m<sup>2</sup> (BlueTaction) or 90m<sup>2</sup> (BlueTaction Pro)\*
- Reliably disinfects rooms with a floor area of up to 40 / 90 m<sup>2</sup>\*

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<sup>1</sup> native bacteria, fungi (incl. moulds) & enveloped viruses (incl. SARS-CoV-2)

<sup>2</sup> plant pollen, fungal spores, animal epithelia etc. are coagulated and sediment as dust

<sup>3</sup> with continuous operation in a room with 40m<sup>2</sup> (BlueTaction) or 90 m<sup>2</sup> (BlueTaction Pro) floor area and a standard ceiling height of 3.00 m

<sup>4</sup> with a standard ceiling height of 3.00 m

### **Volume**

- Quiet
- Minimum noise pollution with only 22 dB(A) (BlueTaction) or 32 dB(A) (BlueTaction Pro)
- Ideal for concentrated work in educational institutions & offices

### **Tests**

- Tested by German accredited laboratories (accredited according to DIN EN ISO/IEC 17025)
- Proven efficacy based on EN 14476 & EN 17272:2020-06

### **Made in Germany**

- Developed & produced in Germany, efficacy & safety proven by German accredited laboratories

### **Toxicology**

- Toxicological safety demonstrated<sup>5</sup>

### **Characteristics**

- Maintenance-free & with simple touch operation
- sustainable without changing filters or other consumables
- no follow-up costs
- No conversion measures required & immediate operational readiness
- mobile & compact

### **The signatory of this document has the following qualifications:**

- Doctor of Medical Microbiology and Infection Epidemiology  
Licensing authority: Ministry of Social Affairs Hannover, Lower Saxony
- State-approved food chemist  
Leibnitz University Hannover
- Dipl.-Ing. (FH) for Process and Plant Engineering  
Technical University of Braunschweig
- Professional experience:  
15 years

The signatory of this document hereby states that the statements made by WK Med Tec, mentioned above, are technically and factually correct and can be used for advertising and marketing purposes of the company WK Med Tec.

The statements can be used if the associated devices are identical to the initially mentioned devices (uniformity of design).

Malsfeld, 22.04.2022



gez. PD Dr. med. Ulrich F. Schmelz, Expert

<sup>5</sup> tested according to EN ISO 10993-3 (Ames test) & EN ISO 10993-5 (cytotoxicity test)