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DR. SCHMELZ
KOMPETENZZENTRUM
technische Hygiene & angewandte Mikrobiologie

CLINICAL AND PRACTICAL HYGIENE
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MOLD TREATMENTS
SYSTEM OPTIMIZATION

DRINKING WATER SYSTEMS
EXPERT REPORTS ACCORDING TO VDI 6023
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BATHING POOL SYSTEMS
HYGIENE PROTOCOLS
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TRAINING
SAMPLING TRAINING
HYGIENE
INSTRUCTIONS

Dr. Schmelz GmbH, Buchenweg 20, 34323 Malsfeld, Germany

STEURER Trocknungs- und Aufbewahrungssysteme GmbH
Staudenstrasse 34
A – 6855 Altach | Vorarlberg | Austria

Part of **WINTERSTEIGER** Group
WINTERSTEIGER AG
4910 Ried im Innkreis | Upper Austria | Austria

Test Report - presentation of results

Testing to determine the chronic toxicity potential (mutagenicity) of the active disinfectant plasma reaction products generated with the "CUBUSAN" device from Steurer Trocknungs- und Aufbewahrungssysteme GmbH according to EN ISO 10993-3

Testing start date: February 10, 2022 – Testing end date: April 29, 2022 –
Report date: May 10, 2022

The "Cubusan" device uses atmospheric low-temperature plasma to generate airborne oxygen reaction products with water vapor in the air, in the form of hydroxyl radicals. Indoors, these hydroxyl radicals lower the risk of infection due to aerogenic pathogen transmission.

The device was tested in accordance with EN ISO 10993-3 as per Ames testing to identify any chronic toxic effects (mutagenicity).

To this end, device emission products were technically extracted from the air and concentrated in situ in a buffer solution poured into a wash bottle. The buffer solution was then subjected to the Ames test to highlight potential mutagenic effects of the concentrated plasma reaction products.

Test kit used:
Moltox Trinova Biochem according to PECD Guideline 471
Ames Salmonella Mutagenicity Test S.typhimurium TA 98, TA 100, TA 1535 and TA 1537

Device: CUBUSAN CP-120, Item: 62-210-300, serial number: 10022800, YOM 2021

Result:
***No* chronic toxicity was observed in comparison to a concentrated air sample devoid of plasma reaction products. No significant back mutation of the test organisms was detected.**

After interpreting the test result, there is no evidence to show that the plasma reaction products generated by the "Cubusan" device have a chronic toxic effect.

signed by PD Dr.med. Ulrich F. Schmelz, Lead Study Investigator

Dr. Schmelz GmbH, Buchenweg 20, 34323 Malsfeld, Germany I Executive Board: PD Dr. med. Dipl.-Chem. (Qualified Chemist) Dipl.-Ing. (Qualified Engineer) (University of Applied Sciences) Ulrich F. Schmelz I Fritzlar District Court Commercial Register HRB 12299, VAT No.: 296 748 169 I IBAN: DE23 2625 0001 0172 1598 32 I BIC: NOLADE21NOM Telephone: +49 (0) 5661 92556-35 I Email: office@dr-schmelz.info