



AIR & SURFACE PURIFIER BY
puracenz

Virucidal Efficacy During "Sneeze" Test

▶ GLP^A TESTING AT AEROSOL RESEARCH AND ENGINEERING LABORATORIES

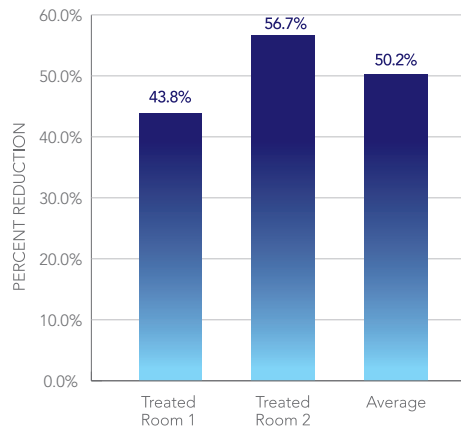
Virucidal Efficacy of the OgenaShield Air & Surface Purifier by Puracenz^B during a "Sneeze" Test

In order to better replicate real world use of the purifier (where the purifier would be running 24/7) the unit was ran for a 12 hour period in order to assure the preferred level of 400 ions/cm³ were met prior to a "sneeze" test being ran. This was to find out how effective the device was in reducing aerosolized MS2 bacteriophage after simulating an infected person sneezing or coughing in a room. The test was performed in a large (16 m³) sealed aerosol test chamber. In order to assess how effective the already present approximately 400 ions/cm³ of ions that were generated by the system were, an air sample was immediately taken just 5 minutes after the aerosolization of the MS2 virus in the test chamber.

Remarkably, the test revealed the ions immediately attacked the MS2 virus present in the air, and in just 5 minutes were able to reduce the amount of MS2 virus concentration by over 50% in the treated room when compared to an untreated room. To quote the opinion of the lab that did the testing, *"This amount of reduction with passive production of ions is significant. Overall, the testing trials demonstrated the robust efficiency the P3000^C device had against aerosolized MS2. The results also indicate that, in theory, the Puracenz P3000 device would help prevent the spread of airborne infections, especially during pandemic events."*



PERCENT REDUCTION^E OF MS2 VIRUS BIOAEROSOL SPIKE IN Q63000^F OVERNIGHT TREATED ROOM



^E Testing was done 5 minutes after MS2 was Aerosolized into the room
^F US Item number - Q63000, CAD Item number - Q63000C

^A GLP - Good Laboratory Practice or GLP is a set of principles intended to assure the quality and integrity of non-clinical laboratory studies that are intended to support research or marketing permits for products regulated by government agencies.

^B This unit uses an advanced and newly patented form of Photocatalytic Oxidation and is not related in any way to systems that produce ions by way of an electrical field, such as BiPolar Ionizers, Pin Point Ionizers or any other system that generates ions through the use of an electrical field.

^C CSA Approved and sold as Q63000C in Canada and Q63000 in the US.

