



## **Human Coronavirus Summary of Official Reports**

*Compiled by Alex Farren, CEO Bluemorph Health Solutions, LLC*

Bluemorph Health Solutions, LLC (“Bluemorph”) tested one of its standard emitters at a measured distance to determine both the effectiveness and required light dose necessary for inactivation of Human Coronavirus. “Inactivation” in this context, refers to rendering the virus unable to replicate. Two time points corresponding to two different light doses were sampled.

Organic soil load was also added to the test samples in order to mimic real world conditions where surfaces are not always free from dirt or other debris. Two materials were tested, stainless steel, representing a hard non-porous surface and fabric, representing a more complicated soft porous surface.

The Bluemorph emitter achieved a 99.99% virus inactivation on both surfaces in just 6 minutes of exposure time. The Bluemorph reduction surpasses the EPA requirements (99.9%) for viral disinfection by a factor of 10 and demonstrates the ability of UVC to disinfect multiple surface types.

Please contact Alex Farren <mailto:afarren@bluemorph.com> at Bluemorph Health Solutions, LLC with any questions about the lab reports or this summary.

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