

SIGMA KULA D.O.O.

STUDY REPORT

2020 – 7971 / 20 23 00739

BIOCIDAL PRODUCT AQUALOR H 1000

**ANTIVIRAL ACTIVITY ACCORDING TO THE STANDARD EN 14476
OF THE PRODUCT "BIOCIDAL PRODUCT AQUALOR H 1000" AGAINST
POLIOVIRUS, ADENOVIRUS AND MURINE NOROVIRUS**

6. Conclusion

The antiviral activity of the product under test, labelled as: "Biocidal Product Aqualor H 1000" against the Adenovirus type 5, Poliovirus type 1 and Murine norovirus was tested according to the EN 14476 standard: "Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of virucidal activity in the medical area- test method and requirements (Phase2/Step1)." According to the EN 14476 standard a product has antiviral activity when a reduction of at least 4 log of the virus is observed.

The product "Biocidal Product Aqualor H 1000" in 97.0% final concentration, demonstrated:

- a 5.0 log reduction of the Adenovirus type 5 (ATCC VR-5) after 5 min contact time in the presence of 0.3 g/L BSA, at 20°C
- a 5.0 log reduction of the Poliovirus 1 Sabin strain, LSc-2ab (WHO) after 5 min contact time in the presence of 0.3 g/L BSA, at 20°C
- a ≥ 5.0 log reduction of the Murine Norovirus (Strain S99 Berlin) after 5 min contact time in the presence of 0.3 g/L BSA, at 20°C

The product demonstrated **full spectrum antiviral activity** against the non-enveloped DNA adenovirus, the non-enveloped RNA poliovirus and the non-enveloped RNA murine norovirus.

According to the EN 14476 standard, products that have antiviral activity against the adenovirus, the poliovirus and the murine norovirus are **considered active against all viruses** (enveloped and non-enveloped).

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End of Study Report