

**SIGMA KULA D.O.O.**

**STUDY REPORT**

**2020 – 10585 / 20 23 01110**

**BIOCIDAL PRODUCT AQUALOR H 500**

**ANTIVIRAL ACTIVITY ACCORDING TO THE STANDARD EN 14476  
OF THE PRODUCT "BIOCIDAL PRODUCT AQUALOR H 500" AGAINST POLIOVIRUS,  
ADENOVIRUS AND MURINE NOROVIRUS**

## 6. Conclusion

The antiviral activity of the product under test, labelled as " Biocidal Product Aqualor H 500" 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 500" in 97.0% final concentration, demonstrated:

- a  $\geq 6.1$  log reduction of the Adenovirus type 5 (ATCC VR-5) after 1 min contact time in the presence of 0.3 g/L BSA, at 20°C
- a  $\geq 6.3$  log reduction of the Poliovirus 1 Sabin strain, LSc-2ab (WHO) after 1 min contact time in the presence of 0.3 g/L BSA, at 20°C
- a  $\geq 6.0$  log reduction of the Murine Norovirus (Strain S99 Berlin) after 1 min contact time in the presence of 0.3 g/L BSA, at 20°C

The product demonstrated 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).

Study Manager:



Lagiopoulos Giorgos  
Technical Manager of Microbiological Dpt  
Agronomist – Food Technologist, MSc  
Pharmaceutical Microbiology PgCert  
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End of Study Report