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SIGMA KULA D.O.O.

IZVEŠTAJ O STUDIJI

2020 – 10585 / 20 23 01110

BIOCIDNI PROIZVOD AQUALOR H 500

**ANTIVIRUSNA AKTIVNOST PREMA STANDARDU EN 14476
PROIZVODA „BIOCIDNI PROIZVOD AQUALOR H 500“ U ODNOSU NA
POLIOVIRUS, ADENOVIRUS I MURIN NOROVIRUS**



6. Zaključak

Antivirusna aktivnost proizvoda koji se testira označena kao „Biocidni proizvod Aqualor H 500 Antivirusna aktivnost proizvoda Testiranje, adenovirusa tipa 5, poliovirusa tipa 1 i murin norovirusa testiran je u skladu sa EN 14476 standardom: „Hemijska sredstva za dezinfekciju i antiseptici - Kvantitativni test suspenzije za procenu virucidne aktivnosti u medicinskom području - metoda i zahtevi za ispitivanje (faza 2 / korak 1).“ Prema standardu EN 14476, proizvod ima antivirusno delovanje kada se primeti smanjenje od najmanje 4 log virusa.

Proizvod „Biocidni proizvod Aqualor H 500“ u 97,0% konačne koncentracije pokazao je:

- $\geq 6,1$ log smanjenja Adenovirusa tipa 5 (ATCC VR-5) nakon 1 minuta vremena kontakta u prisustvu 0,3 g / L BSA, na 20°C
- $\geq 6,3$ log smanjenje soja poliovirusa 1 Sabin, LSc-2ab (SZO) nakon 1 minuta vremena kontakta u prisustvu 0,3 g / L BSA, na 20 ° C
- $\geq 6,0$ log smanjenja murin norovirusa (Stroj S99 Berlin) nakon 1 minuta vremena kontakta u prisustvu 0,3 g / L BSA, na 20°C

Proizvod je pokazao antivirusno delovanje protiv DNK adenovirusa bez omotača, RNK poliovirusa bez omotača i norovirusa bez omotača RNK. Prema standardu EN 14476, proizvodi koji imaju antivirusno delovanje protiv adenovirusa, poliovirusa i murin norovirusa smatraju se aktivnim protiv svih virusa (omotanih i neomotanih).

Rukovodilac studije:

[Potpis nečitak]

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Tehnički rukovodilac Mikrobiološkog odeljenja

Agronom - prehrambeni tehnolog, magistar farmaceutske mikrobiologije

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Potvrđujem da gornji prevod u potpunosti odgovara izvorniku sačinjenom na engleskom jeziku.

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U Novom Sadu, 15. januara 2021. godine



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 ≥ 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 ≥ 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 ≥ 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:


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End of Study Report