

QACS LAB  
Sistemi osiguranja i kontrole kvaliteta

Adresa: 1 Antigonis str, 14451, Atina, Grčka  
Telefon: (+30) 210 2934745 E-mail: info@qacs.gr  
Faks: (+30) 210 2934606 www.qacs-lab.com

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

**IZVEŠTAJ O STUDIJI**

**2020 – 10585 / 20 23 01110**

**BIOCIDNI PROIZVOD AQUALOR H 200**

**ANTIVIRUSNA AKTIVNOST PREMA STANDARDU EN 14476  
PROIZVODA „BIOCIDNI PROIZVOD AQUALOR H 200“ U ODNOSU  
NA POLIOVIRUS, ADENOVIRUS I MURIN NOROVIRUS**

Izveštaj o studiji: 2020 – 10585 / 20 23 01110



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## 6. Zaključak

Antivirusna aktivnost proizvoda koji se testira označenog kao „Biocidni proizvod Aqualor H 200“ u odnosu na adenovirusa tipa 5, poliovirusa tipa 1 i murin norovirusa testirana 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 200“ 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]*

*[Pečat: QACS Laboratories, 1 Antigonis str 144 51 Metamorfossi, Grčka, PIB: EL 998709411, e-mail: info@qacs.gr, Tel.: +30-2162934745, faks: +30-210 2934606, www.qacs.gr]*

Lagiopoulos Giorgos

Tehnički rukovodilac Mikrobiološkog odeljenja

Agronom - prehrambeni tehnolog, magistar farmaceutске mikrobiologije

Datum Pg sertifikata: 11.01.2021.

Kraj izveštaja o studiji

Izveštaj o studiji: 2020 – 10585 / 20 23 01110

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

Redni broj: 084-01/21

U Novom Sadu, 15. januara 2021. godine

**SUDSKI PREVODILAC  
ZA ENGLEŠKI JEZIK**

Postavljen Rešenjem Pokrajinskog sekretarijata  
za propise, upravu i nacionalne manjine  
br. 101-14-00018/2007-35 od 17. decembra 2007.

(Igor Ivkov)

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

**STUDY REPORT**

**2020 – 10734 / 20 23 01118**

**BIOCIDALPRODUCT AQUALOR H 200**

**ANTIVIRAL ACTIVITY ACCORDING TO THE STANDARD EN 14476  
OF THE PRODUCT "BIOCIDALPRODUCT AQUALOR H 200" AGAINST POLIOVIRUS,  
ADENOVIRUS AND MURINE NOROVIRUS**

## 6. Conclusion

The antiviral activity of the product under test, labelled as " Biocidalproduct Aqualor H 200" 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 " Biocidalproduct Aqualor H 200" 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:

  
1 Antigonis str, 14451 Metamorfossi, Greece  
VAT no EL 800700411, email: info@qacs.gr  
Tel +30-2102934745 fax +30-210 2934606  
www.qacs.gr

Lagiopoulos Giorgos  
Technical Manager of Microbiological Dpt  
Agronomist – Food Technologist, MSc  
Pharmaceutical Microbiology PgCert  
Date: 11/01/2021

End of Study Report