



Translation from Bulgarian

SOFIA UNIVERSITY ST.KLIMENT OHRIDSKI

FACULTY OF BIOLOGY

8 Dragan Tsankov Blvd, Sofia 1164, Bulgaria; phone: +359 2 8167 300; fax: +359 2 8656 641; www.uni-sofia.bg

REPORT No 54 / 10.07.2020

on the virological testing of filtration mask N 95 FFP2

submitted for testing by Hermes Gift EOOD

The Filtration Mask N 95 FFP2 submitted by Hermes Gift EOOD was tested in the virological laboratory at the Faculty of Biology at Sofia University St. Kliment Ohridski in the period from 4 July 2020 to 7 July 2020 in accordance with EN 14683:2019+AC.

The mask was treated once in sterile medium, in sterile vacuum apparatus fitted with petri-dishes that were covered with specific coating to catch viral particles. Such treatment was carried out with aerosol containing highly concentrated human virus applied to wet the surface of tested objects. The size of viral particles is comparable to the size of coronaviruses. Afterwards, suction power of 20 millibar was applied. The coating was processed in a cell culture medium to cultivate cells, then the medium was inoculated in microtitre plates with single cell layer.

After 48 hours of cultivation at 37°C upon visual inspection no viral cytopathic effect was shown in the assays with the treated mask, which was confirmed by the absence of any virus titre. The virus count in the control titration corresponded to the initial titration.

CONCLUSION:

The tested filtration mask N 95 FFP2 provides protection against inhalation of aerosols containing viruses of the size of SARS-CoV-2.

According to the European standard for medical face masks EN 14683:2019+AC:2019, the mask meets the requirements for type IIR, table 1, Art.5.2.7.

10 July 2020

Signature: /signed/

Prof. Doctor St. Shishkov

Stamp of the Faculty of Biology at Sofia University St. Kliment Ohridski

Accepted: /signed/

Silvia Mircheva

I, the undersigned Tatyana Georgieva Shopova, hereby certify that this is a true and complete translation into English language of the attached official document – TEST REPORT, No 54 of 10.07.2020, originally composed in Bulgarian language. The translation consists of one (1) page.

Translator:

Tatyana Georgieva Shopova

