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Vimodrone, December 21st, 2020

To Bode Chemie GmbH
Melanchthonstraße 27
22525 Hamburg
Germany

Object:

Expert Opinion about the efficacy results obtained against Adenovirus type 5 in a quantitative suspension test according to the EN 14476:2013 + A2:2019 standard under clean conditions.

This expert opinion is based on the test reports STULV20AA2084-1 (preliminary cytotoxicity test) & STULV20AA2586-1 for STERILLIUM (test product VP 83). STULV20AA2586-1 test report was issued by Eurofins Biolab GLP / ISO 17025 Test Facility on September 01st, 2020.

The virucidal properties (irreversible inactivation of the test virus) of the hand disinfectant 'STERILLIUM' of BODE Chemie GmbH against Adenovirus type 5 were investigated by a quantitative suspension test according to EN 14476 under clean conditions (edition of the EN standard valid at the time of the execution of the test).

According to EN 14476, a disinfectant or a disinfectant solution at a particular concentration is considered as having virus inactivating properties if within the recommended exposure period the test virus titre is reduced by $\geq 4 \log_{10}$ TCID₅₀ (i.e. inactivation $\geq 99.99\%$).

The hand disinfectant 'STERILLIUM' was tested undiluted (80%, i.e. maximum test concentration used in the standard non modified protocol) as well as 50% and 20% at 20°C.
30 and 60 seconds were chosen as exposure times.

In summary, a specific virucidal activity against Adenovirus type 5 was measured as follows:

Product concentration: 80%* (neat)

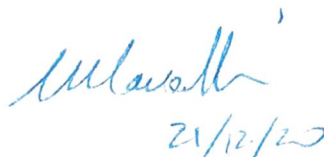
Contact time: 30 seconds

Interfering substance: clean conditions (0.3 g/l BSA)

**for 80% concentration, Large Volume Plating (LVP) method was used as prescribed by the norm in case of high residual product cytotoxicity.*

In compliance with EN 14476 requirements.

Sincerely,



Michele Cavalleri
GLP/ISO17025 Test Facility Manager
Eurofins Biolab Srl

CEN TC 216/WG3 Convenor, CEN TC 216/WG1 expert