

confirmation

Dr. Björn Friedrichs

We hereby confirm that the products

RHEOSEPT-hand disinfection (Wachendorff-Chemie GmbH)

RHEOSEPT-WD plus wipes (Wachendorff-Chemie GmbH)

have been successfully tested for their effectiveness against enveloped viruses by accredited test laboratories and experts. The products are therefore effective against the current virus infections Coronavirus Sars-CoV-2 and all other influenza viruses.

Datum: 19.02.2020



Dr. Björn Friedrichs
HyCo GmbH

Verbund für Angewandte Hygiene (VAH)
Association for Applied Hygiene

- Desinfektionsmittel-Kommission im VAH -
Disinfectant Commission in VAH

Zertifikat / Certificate

über die Konformität der Wirksamkeitsprüfungen für / for conformity of efficacy tests for

RHEOSEPT-WD plus

mit dem Anforderungskatalog der Deutschen Gesellschaft für Hygiene und Mikrobiologie (DGHM) - Stand 4.2.2002 - basierend auf den Standardmethoden der DGHM - Stand 1.9.2001 - bzw. den Übergangsbestimmungen vom 4.9.2002. DGHM und VAH bestätigen die Äquivalenz mit den früher herausgegebenen DGHM-Zertifikaten.
with the Requirements issued by the German Society for Hygiene and Microbiology (DGHM) on February 4th 2002 which is based on the DGHM Standard Methods of September 1st 2001 or the transitional provisions of Sept. 4th 2002. DGHM and VAH confirm the equivalence to the former issued DGHM certificates.

ANTRAGSTELLER / APPLICANT:

Wachendorff-Chemie GmbH
Langbaughstr. 15
53842 Troisdorf

WIRKSTOFFE nach Art und Menge bezogen auf 100 g:

Quantity of active substances per 100 g:

0,25 g Alkyldimethylethylbenzylammoniumchlorid

0,25 g Benzalkoniumchlorid

0,25 g Dialkyldimethylammoniumchlorid

Hiermit wird bestätigt, dass das o.g. Produkt für die prophylaktische Desinfektion in den aufgeführten Anwendungsbereichen in folgenden Konzentrations-Zeit-Relationen als wirksam eingestuft wird:
This is to confirm that the above product was found to be effective for prophylactic disinfection in the application domains listed below at the specified concentration/contact time ratios:

Wischen Mechanical action		Organische Belastung Interfering substance		Einwirkzeit in min Contact time in min				
mit/with	ohne/ without	gering/clean conditions	hoch/dirty conditions	5	15	30	60	240
X		X		konz.				

Das Zertifikat ist gültig vom 15.06.2015 bis zum 15.06.2018 (3 Jahre) /
Certificate is valid from 15.06.2015 until 15.06.2018 (3 years)

Der Antragsteller hat sich mit den Bedingungen der zum Zeitpunkt der Antragstellung gültigen Geschäftsordnung der Desinfektionsmittelkommission im VAH einverstanden erklärt und rechtsverbindlich bestätigt, dass das von ihm in Handel gebrachte Präparat in seiner Zusammensetzung identisch mit den für die Erstellung der Gutachten eingereichten Mustern ist.
The applicant has agreed to the conditions laid down in the rules of the disinfectant commission in the VAH valid at the time of application and has legally binding confirmed that the distributed product is identical with the product used for the activity testing.

Bonn, den **15.06.2015**
Place/Date

Der Vorsitzende der / The Chairman of the
Desinfektionsmittel-Kommission im VAH / Disinfectant Commission in VAH - Ident.No N15/103

Desinfektionsmittel-Kommission im VAH, c/o Institut für Hygiene, Sigmund Freud-Str. 25, D-53127 Bonn, www.vah-online.de, info@vah-online.de, Tel. 0228-207 1 4022

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Deutschland

2019-12-18

Prof. We

RHEOSEPT-WD plus

Surface disinfection with mechanical action (4-field-test) in combination with standardized wipe material

Bactericidal and yeasticidal activity

clean and dirty conditions

EXPERTISE

Having tested the disinfectant **RHEOSEPT-WD plus** in combination with reference wipes for surface disinfection with mechanical action according to, "Requirements and methods for VAH¹- certification chemical disinfection methods" (Status: 15.03.2019), I hereby issue the following evaluation of the results from the test reports B 23316 (qualitative suspension tests) of 2019-12-18, B 23316a (prEN 13624:2019) of 2019-12-18, B 23316b (EN 13727:2015) of 2019-12-18, B 23316c (EN 16615:2015) of 2019-12-18 as well as B 23316d (EN 16615:2015, 3rd test run) of 2019-12-18:

Results of the in vitro-test

On the basis of the results of the qualitative suspension tests the results obtained with the 4 test germs in the following quantitative suspension tests were evaluable.

The quantitative suspension tests were carried out in pour plate method for germ detections under **clean conditions**.

¹ VAH = Verbund für Angewandte Hygiene

RHEOSEPT-WD plus results in sufficient reductions (5 lg. units of test bacteria *S. aureus*, *E. hirae* and *P. aeruginosa* or 4 lg units of *C. albicans*

under clean conditions

in 80%, 50% and 10% within 1, 5 and 10 minutes.

Results obtained in tests simulating practical conditions

The efficacy of the disinfectant **RHEOSEPT-WD plus** in combination with reference wipe was tested under clean conditions according to EN 16615 against all 4 test strains.

Under clean conditions the product showed

100% within 1 and 5 minutes

sufficient efficacy against the test germs *S. aureus*, *E. hirae*, *P. aeruginosa* and *C. albicans*.

Application recommendations for **RHEOSEPT-WD plus** for surface disinfection with mechanical action

According to the results obtained, **RHEOSEPT-WD plus** complies with the

„Requirements for certification of chemical disinfection procedures“
by the commission of disinfectants in the VAH¹

at the following application:

under clean conditions

as concentrate within 1 and 5 minutes.


Prof. Dr. med. H.-P. Werner

¹ VAH = Verbund für Angewandte Hygiene

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2005-08-25
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Vaccinia virus efficacy of RHEOSEPT WD plus in a quantitative suspension test at 20°C

EXPERT OPINION

The virus-inactivating properties of the surface disinfectant RHEOSEPT WD plus of Wachendorff-Chemie GmbH against vaccinia virus strain Elstree were investigated by a quantitative suspension test according to the guideline of the Bundesgesundheitsamt (BGA, Federal Office of Health, now Robert Koch-Institute) and the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten e.V. (German Association for the Control of Virus Diseases).

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

RHEOSEPT WD plus was examined undiluted at 20°C. Exposure times were 1 and 5 minutes. After an exposure time of one minute virus reduction exceeded $4 \log_{10}$ -steps in all assays. Due to the lack of guidelines simulating practical conditions, results of the quantitative suspension test lead to the recommendation to use the surface disinfectant RHEOSEPT WD plus for inactivation of vaccinia virus as follows:

undiluted

1 minute


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BVDV efficacy of RHEOSEPT WD plus in a quantitative suspension test at 20°C

EXPERT OPINION

The virus-inactivating properties of the surface disinfectant RHEOSEPT WD plus of Wachendorff-Chemie GmbH against bovine viral diarrhoea virus (BVDV) strain NADL were investigated by a quantitative suspension test according to the guideline of the Bundesgesundheitsamt (BGA, Federal Office of Health, now Robert Koch-Institute) and the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten e.V. (German Association for the Control of Virus Diseases).

BVDV was chosen as a surrogate of hepatitis C virus (HCV) since there is no animal model or cell culture system for growing this virus. Testing this surrogate virus the possibility is created to give recommendations for the inactivation of HCV by the disinfectant.

According to this suspension test, a disinfectant or a disinfectant solution at a particular concentration is considered as having virus-inactivating properties if within the recommended exposure period the titre is reduced by $\geq 4 \log_{10}$ (inactivation $\geq 99,99 \%$).

RHEOSEPT WD plus was examined undiluted at 20°C. The exposure times were 1 and 5 minutes. After an exposure time of one minute virus reduction exceeded 4 \log_{10} -steps in all assays. Due to the lack of guidelines simulating practical conditions, results of the quantitative suspension test lead to the recommendation to use the surface disinfectant RHEOSEPT WD plus for inactivation of BVDV (surrogate of HCV) as follows:

undiluted 1 min


Dr. J. Steinmann

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Muenster, 21.05.2010

date:

C E R T I F I C A T E

for the Cosmetic-Product

RHEOSEPT-WD plus

Dermatological test on humans in 2010

The dermatological test performed by us
on your product under the control of dermatological specialists was passed
for this product with the rating of

“very good”.

**This product did not lead to toxic- irritative intolerance reactions in patch
testing carried out in accordance with international guidelines. The
preparation can therefore be declared as dermatologically tested.**

Dr. med. Werner Voss
Investigating specialist
for dermatology, allergology,
venerology, phlebology
and environmental medicine

