

management to the green Gbr
Hervorster Str 18
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Bremen, 11. August 2020

Zusammenfassende Stellungnahme zu den virusinaktivierenden Eigenschaften (begrenzt viruzid PLUS) von natucin+ der management to the green Gbr nach der EN 14476:2013+A2:2019 unter geringer Belastung

Folgende Dokumente der Dr. Brill + Partner GmbH für das Hautdesinfektionsmittel natucin+ der management to the green Gbr liegen dieser Stellungnahme zugrunde:

Adenovirus Typ 5 Prüfbericht (L20/0587A.2) vom 06.08.2020
Murines Norovirus Prüfbericht (L20/0587M.2) vom 11.08.2020

Unter Einbeziehung dieser beiden Prüfviiren resultieren folgende Konzentrationen und Einwirkzeiten:

unverdünnt 30 Sekunden

um eine Titerreduktion von \geq vier \log_{10} Stufen (Titerreduktion \geq 99,99 %) im quantitativen Suspensionsversuch unter geringer Belastung entsprechend der EN 14476:2013+A2:2019 zu erzielen.

Nach Überprüfung der Virus-Wirksamkeit mit dem Adenovirus Typ 5 und dem murinen Norovirus (MNV) kann das Hautdesinfektionsmittel natucin+ als "**begrenzt viruzid PLUS**" ausgelobt werden.

Die Deklaration "**begrenzt viruzid PLUS**" schließt die angeführten Prüfviiren, das Rotavirus und alle behüllten humanpathogenen Viren (Annex A) wie HBV, HCV, HIV sowie Mitglieder anderer Virusfamilien wie Orthomyxoviridae (inkl. alle menschlichen Influenza-Viren), Coronaviridae (wie MERS-CoV, SARS-CoV-1 und SARS-CoV-2) und Filoviridae einschließlich dem Ebola-Virus mit ein.

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Summary: Virus-inactivating properties (limited spectrum virucidal activity) of natucin+ of management to the green Gbr according to EN 14476:2013+A2:2019 under clean conditions

This summary is based on the following test reports of Dr. Brill + Partner GmbH for the skin disinfectant natucin+ produced by management to the green Gbr:

adenovirus type 5 test report (L20/0587A.2) dating 06/08/2020
murine norovirus test report (L20/0587M.2) dating 11/08/2020

The following concentration and exposure time are necessary for the inactivation of the two test viruses:

undiluted 30 seconds

in order to achieve a 4 log₁₀ reduction (inactivation ≥ 99.99 %) under clean conditions in a quantitative suspension test according to EN 14476:2013+A2:2019.

After evaluation with adenovirus type 5 and murine norovirus (MNV) the skin disinfectant natucin+ can be declared as having "**limited spectrum virucidal activity**" according to EN 14476:2013+A2:2019.

The test for limited spectrum virucidal activity will cover the test viruses mentioned, rotavirus and all enveloped viruses (Annex A) like HBV, HCV, HIV as well as members of other virus families such as orthomyxoviridae (incl. all human influenza viruses), coronaviridae (like MERS-CoV, SARS-CoV-1 and SARS-CoV-2) and filoviridae including Ebola virus.

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Extract from Annex A in EN 14476

Examples of viruses which may contaminate human medical instruments, hands, surfaces (*Enveloped viruses*)

NOTE This list is not exhaustive.

Blood

Filoviridae
Flavivirus
Herpesviridae
Hepatitis B virus (HBV)

Hepatitis C virus (HCV)
Hepatitis Delta virus (HDV)
Human Immunodeficiency Virus (HIV)
Human T Cell Leukemia Virus (HTLV)

Respiratory tract

Coronavirus
Herpesviridae

Influenza Virus
Paramyxoviridae
Rubella Virus

Neural tissue, ear & nose, eye

Herpesviridae
Measles Virus

Human Immunodeficiency Virus (HIV)
Rabies Virus
Rubella Virus

Gastro-intestinal

Coronavirus

Skin, breast and/or milk

Herpesviridae
Human Immunodeficiency Virus (HIV)

Human T Cell Leukemia Virus (HTLV)
Poxviridae

Spleen and lymph nodes (see also „Blood“)

Human T Cell Leukemia Virus (HTLV)
Human Immunodeficiency Virus (HIV)

Dental procedure

Herpesviridae
Hepatitis B virus (HBV)

Hepatitis C Virus (HCV)
Hepatitis Delta Virus (HDV)
Human Immunodeficiency Virus (HIV)

Urogenital tract

Hepatitis B Virus (HBV)
Herpesviridae
Human Immunodeficiency Virus (HIV)

Human T Cell Leukemia Virus (HTLV)

Reference:

Van Regenmortel MHV et al., Eds.: Virus Taxonomy, Classification and Nomenclature of Viruses, seventh report of the international committee on taxonomy of viruses.
Academic Press, San Diego, 2000