

Micro-Secure PRO

Broad Spectrum Antimicrobial Disinfecting Cleaner

VIRUCIDAL - BACTERICIDAL - YEASTICIDAL

MICROBIOLOGICAL PERFORMANCE TESTING PROFILE

As per the methods specified in EN 14885 Standard (Chemical disinfectants and antiseptics-application of European Standard for chemical disinfectants and antiseptics), this product passes the following European Normal (EN) Test Protocols;



Activity : Bactericidal

EN 1276
Bactericidal result (log 5), in presence of high organic load (BSA)
Test strains: *E. coli* ATCC 10536, *S. aureus* ATCC 6538, *E. hirae* ATCC 10541, *P. aeruginosa* ATCC 15442
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Certificate: Eurofins, 31 May 2016

EN 1276 (MRSA)
Bactericidal result (log 5), in presence of high organic load (BSA)
Test strain: *S. aureus* MRSA ATCC 33592
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Certificate: L + S AG, June 2010

EN 1276
Bactericidal result (log 5), in presence of high organic load (BSA)
Test strains: *L. monocytogenes* ATCC 15313, *S. typhimurium* ATCC 13311
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Certificate: Dr. Brill + Partner GmbH, 24 February 2017

EN 13697
Bactericidal result (log 4), in presence of high organic load (BSA)
Test strains: *E. coli* ATCC 10536, *S. aureus* ATCC 6538, *E. hirae* ATCC 10541, *P. aeruginosa* ATCC 15442
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Certificate: Eurofins-Biolab Spa, 30 July 2007

EN 13697
Bactericidal result (log 4), in presence of high organic load (BSA)
Test strain: *L. monocytogenes* ATCC 15313
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Test strain: *S. typhimurium*
Result 3.0 g/l BSA (Dirty Conditions) 5 min.
Certificate: Dr. Brill + Partner GmbH, 24 February 2017

EN 1276 (modified)
Bactericidal result (log 4), in presence of low organic load (BSA)
Test strain: *L. interrogans* (Weil's disease)
Result 0.3 g/l BSA 5 min.
Certificate: Blue Scientific Test Data, August 2009

Activity : Yeasticidal

EN 1650
Yeasticidal result (log 4), in presence of high organic load (BSA)
Test strain: *C. albicans* ATCC 10231
Result 3.0 g/l BSA 15 min.
Certificate: Eurofins, 31 May 2016

EN 13697
Yeasticidal result (log 3), in presence of high organic load (BSA)
Test strain: *C. albicans* ATCC 10231
Result 3.0 g/l BSA 15 min.
Certificate: Eurofins, 31 May 2016

EN 1650
Yeasticidal result (log 4), in presence of low organic load (BSA)
Test strain: *C. albicans* ATCC 10231
Result 0.3 g/l BSA 10 min.
Certificate: Dr. Brill + Partner GmbH, 14 March 2018

EN 13697
Yeasticidal result (log 3), in presence of low organic load (BSA)
Test strain: *C. albicans* ATCC 10231
Result 0.3 g/l BSA 10 min.
Certificate: Dr. Brill + Partner GmbH, 14 March 2018

EN 14562
Yeasticidal result (log 4), in presence of low organic load (BSA)
Test strain: *C. albicans* ATCC 10231
Result 0.3 g/l BSA 15 min.
Certificate: Eurofins, 23 September 2011

Activity : Virucidal Against Bacteriophages

EN 13610
Virucidal activity against bacteriophages in presence organic load (1% skimmed milk)
Results:
Lactococcus lactis subsp. lactis phage P001 15 min.
Lactococcus lactis subsp. lactis phage P008 15 min.
Certificate: Dr. Brill + Partner GmbH, 25 February 2014



Activity : Virucidal

EN 14476

Virucidal result (log 4), in presence of low organic load (BSA)

Test strain: Murine Norovirus strain S99 Berlin

Result (Low Soiling/ 'Clean'))	0.3 g/l BSA	5 min.
Result (High Soiling/ 'Dirty')	3.0 g/l BSA + 3.0g/l Erythrocytes	15 min.

Certificate: Dr. J. Steinmann, Mikrolab, 01 April 2014

EN 14476

Virucidal result (log 4), in presence of low organic load (BSA)

Test strain: Adenovirus Type 5 strain Adenoid 75

Result	0.3 g/l BSA	15 min.
Result (High Soiling/ 'Dirty')	3.0 g/l BSA + 3.0g/l Erythrocytes	15 min.

Certificate: Dr. J. Steinmann, Mikrolab, 27 July 2010

EN 14476

Virucidal result (log 4), in presence of low organic load (BSA)

Test strain: Poliovirus Type 1 strain LSc-2ab

Result	0.3 g/l BSA	30 min.
Result (High Soiling/ 'Dirty')	3.0 g/l BSA + 3.0g/l Erythrocytes	60 min.

Certificate: Dr. J. Steinmann, Mikrolab, 27 July 2010;
Eurofins, 23 June 2017

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Activity : Virucidal Against Enveloped Viruses

EN 14476:2013+A1:2015

Virucidal result (log 4), in presence of high medical organic load (BSA + Erythrocytes)

Test strain: Modified Vaccinia Virus Ankara (MVA)

Result	3.0 g/l BSA + 3.0g/l Erythrocytes	5 min.
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Certificate: Dr. J. Steinmann, Dr. Brill + Partner GmbH, 07 Feb 2017

EN 14476

Virucidal result (log 4), in presence of high medical organic load (BSA + Erythrocytes)

Test strain: Influenza A (H7N9) Virus

Result	3.0 g/l BSA + 3.0g/l Erythrocytes	5 min.
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Certificate: Microbac Laboratory, VA20164, USA, 13 Feb 2013

EN 14476:2013+A1:2015

Virucidal result (log 4), in presence of high medical organic load (BSA + Erythrocytes)

Test strain: Influenza A (H1N1) Virus

Result	3.0 g/l BSA + 3.0g/l Erythrocytes	5 min.
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Certificate: Dr. J. Steinmann, Dr. Brill + Partner GmbH, 08 Feb 2017

EN 14476

Virucidal result (log 4), in presence of high medical organic load (BSA + Erythrocytes)

Test strain: Duck Hepatitis B (as a surrogate for Hepatitis B (HBV))

Result	3.0 g/l BSA + 3.0g/l Erythrocytes	5 min.
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Certificate: Blu Test Laboratories Ltd., 27 July 2016

EN 14476

Virucidal result (log 4), in presence of low organic load (BSA)

Test strain: Bovine Corona Virus (BCoV) as a surrogate for other members of Coronavirus family including MERS-CoV & SARS-CoV-2

Result	0.3 g/l BSA	1 min.
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Certificate: Dr. J. Steinmann, Mikrolab GmbH, 25 May 2014

Test Report: L14ML1677BC

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