

Microbe Investigations AG

LS21-01996

Report date: July 20, 2021

Customer: Cleanwipe Sweden AB

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Microbe Investigations AG (MIS) is a spin-off company of ETH Zürich

MIS provides microbiological testing services primarily for industrial customers assessing the characteristics of developmental products. MIS also provides a depth of expertise in fundamental aspects of microbiology gained throughout many years of world-leading research. Target customers are primarily companies working with antimicrobial treatments on textiles, plastics, and coatings.

More information: www.microbe-investigations.com



Test report overview

General Info	Name	Contact	Key Account Manager
Customer	Cleanwipe Sweden AB	E. Nordlof	-
Distributor	-	-	-
Brand owner	-	-	-
Brand label	-	Application at	-
Reason for testing	Product testing	Application by	Not specified
Effects	-	Scale	-

Test Methods

Effect / Property	Testing standard	Test parameter
Quantitative bactericidal suspension test for chemical disinfectant	EN 1276:2019	Bacterium: Staphylococcus aureus (ATCC 6538P)
Quantitative bactericidal suspension test for chemical disinfectant	EN 1276:2019	Bacterium: Pseudomonas aeruginosa (ATCC 15442)
Quantitative bactericidal suspension test for chemical disinfectant	EN 1276:2019	Bacterium: Escherichia coli (ATCC 8739)
Quantitative bactericidal suspension test for chemical disinfectant	EN 1276:2019	Bacterium: Enterococcus hirae (ATCC 8739)

Test results: Very good effect level

Test summary / comments:

- In the test EN 1276:2019, the "Antibac wipes disinfectant liquid" sample **PASSED** the testing against *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, and *Enterococcus hirae*.

Samples, and test information

Sample	Sample description
1	Antibac wipes disinfectant liquid

Test Method

The EN 1276:2019 is a quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas. The test method specifies the minimum bactericidal activity requirements of general-purpose disinfectant that form a homogeneous, physically stable preparation either when diluted with hard water or ready to use product.

The test method involves mixing 1ml of test bacterial solution in 1ml of interfering substance (Clean condition 0.3 g/l bovine albumin: Dirty condition 3 g/L bovine albumin) and 8 ml of test product. The mixture is kept at temperature for specific period as per the customer. After the contact period, 0.1 ml from mixture is removed and added to 8.9 ml of the neutralizer and 1 ml of sterile distilled water. The bactericidal activity of the product is then evaluated.

Quantitative Suspension Test

EN 1276:2019: *Staphylococcus aureus* (ATCC 6538P)

Sub-Samples	1-1	1-1
Test Conditions	Clean 0.3 g/l bovine albumin	Dirty 3 g/l bovine albumin
Product Concentration <i>Staphylococcus aureus</i>	Neat	Neat
Contacting Time <i>Staphylococcus aureus</i> [min]	30	30
Test Temperature <i>Staphylococcus aureus</i> [°C]	25	25
Log10(N ₀) (Test inoculum) <i>Staphylococcus aureus</i>	7.6	7.6
Log10(N) (sample inoculum, after contact period) <i>Staphylococcus aureus</i>	1.0	1.0
Log10(R) (Reduction viability) <i>Staphylococcus aureus</i>	6.6	6.6
Activity	PASS	PASS

EN 1276:2019: *Pseudomonas aeruginosa* (ATCC 15442)

Sub-Samples	1-1	1-1
Test Conditions	Clean 0.3 g/l bovine albumin	Dirty 3 g/l bovine albumin
Product Concentration <i>Pseudomonas aeruginosa</i>	Neat	Neat
Contacting Time <i>Pseudomonas aeruginosa</i> [min]	30	30
Test Temperature <i>Pseudomonas aeruginosa</i> [°C]	25	25
Log10(N ₀) (Test inoculum) <i>Pseudomonas aeruginosa</i>	7.47	7.47
Log10(N) (sample inoculum, after contact period) <i>Pseudomonas aeruginosa</i>	1.0	1.0
Log10(R) (Reduction viability) <i>Pseudomonas aeruginosa</i>	6.47	6.47
Activity	PASS	PASS

Quantitative Suspension Test

EN 1276:2019: *Escherichia coli* (ATCC 8739)

Sub-Samples	1-1	1-1
Test Conditions	Clean 0.3 g/l bovine albumin	Dirty 3 g/l bovine albumin
Product Concentration <i>Escherichia coli</i>	Neat	Neat
Contacting Time <i>Escherichia coli</i> [min]	30	30
Test Temperature <i>Escherichia coli</i> [°C]	25	25
Log10(N ₀) (Test inoculum) <i>Escherichia coli</i>	7.5	7.5
Log10(N) (sample inoculum, after contact period) <i>Escherichia coli</i>	1.03	1.03
Log10(R) (Reduction viability) <i>Escherichia coli</i>	6.47	6.47
Activity	PASS	PASS

EN 1276:2019: *Enterococcus hirae* (ATCC 8739)

Sub-Samples	1-1	1-1
Test Conditions	Clean 0.3 g/l bovine albumin	Dirty 3 g/l bovine albumin
Product Concentration <i>Enterococcus hirae</i>	Neat	Neat
Contacting Time <i>Enterococcus hirae</i> [min]	30	30
Test Temperature <i>Enterococcus hirae</i> [°C]	25	25
Log10(N ₀) (Test inoculum) <i>Enterococcus hirae</i>	7.44	7.44
Log10(N) (sample inoculum, after contact period) <i>Enterococcus hirae</i>	1.51	1.99
Log10(R) (Reduction viability) <i>Enterococcus hirae</i>	5.93	5.45
Activity	PASS	PASS