



## TEST REPORT

# Mikro Cleany Mop Whiteboard

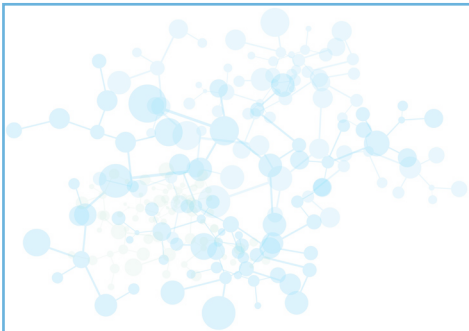
Test item: Bacteria pick-up rate (microorganisms)  
ISO standard: 6330:2012  
Report no.: DL-160531-5  
Test date: 24.05.2016  
Issue date: 31.05.2016

### Mikro Cleany Mop Whiteboard



**FV-28-32-H**

For test result please see next page



# TEST RESULT

## Mikro Cleany Mop

### Whiteboard

Pick-up rate (%)	99%
Test bacteria	Staphylococcus aureus ATCC 6538 (microorganisms). Exists in e.g. kitchens, on kitchen utensils, in foodstuffs and dairy products. Causes: vomit, food poisoning and diarrhea.
Art. no.	FV-28-32-H

Before wipe:



**Bacteria**  
**Staphylococcus aureus**

After wipe:



**Bacteria**  
**Staphylococcus aureus**

Calculation of the mop's capacity to pick up bacteria and microorganisms:

$$\text{Pick-up rate} = [(M_b - M_c) / M_b] \times 100$$

$M_b$  = Average of the number of bacteria on the test surface before pick-up.  
(The amount of bacteria which was spread on the surface)

$M_c$  = Average of the number of bacteria on the test surface after pick-up.  
(The amount of bacteria on the surface after the wipe)



# TEST METHOD

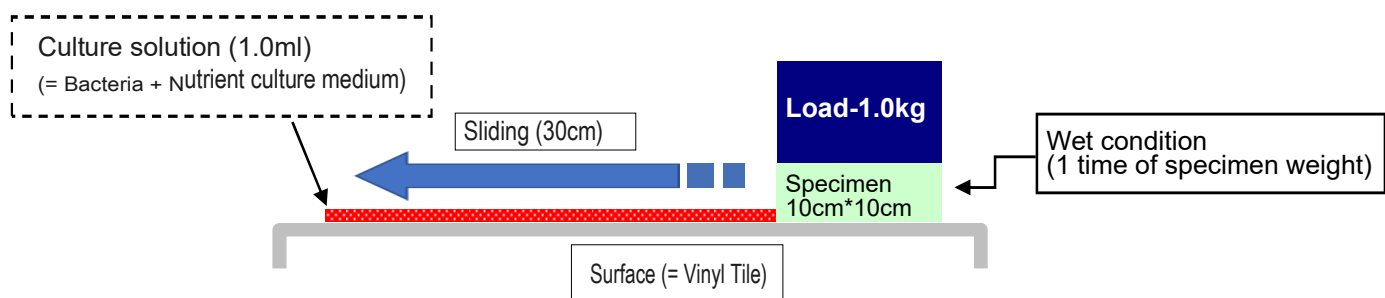
## Mikro Cleany Mop Whiteboard



### Test conditions:

Amount of water	1 time of specimen weight
Load weight	1 kg
Surface	Vinyl tile (wax coated)
Sliding range	30 cm

### Illustration of the test method:



### CONCLUSION

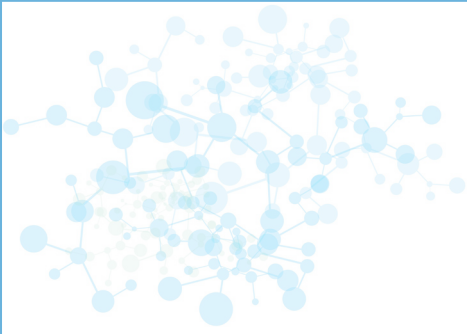
**Mikro Cleany Mop Whiteboard has a documented pickup of microorganisms of min. 99%.**

The test result is based on test with bacteria within the group of microorganisms, where viruses also are included as a part of this group because of their sizes.

When microfiber product's ability to pick up microorganisms is tested, the size of the test object is pivotal. Thus, it is not important whether the microorganism is a bacterium or a virus. Microfiber does not distinguish between the types of microorganisms when they pick them up. Microfiber's ability to pick up microorganisms varies from product to product.

The tests are always conducted with bacteria within the art of microorganisms because of two reasons:

- 1) Bacteria constitute the most extensive health risk because they multiply and evolve with time. Viruses disappear after a certain amount of hours.
- 2) Bacteria are more safe to use in tests and they are more accessible as test objects.



# TEST REPORT

## Mikro Cleany Mop Whiteboard

Test item: Autoclave  
Report no.: DL-191030-3  
Test date: 30.10.2019  
Issue date: 30.10.2019

### Mikro Cleany Mop Whiteboard



**FV-28-32-H**

For test results please see next page



# TEST METHOD

## Mikro Cleany Mop Whiteboard



### Test conditions:

<b>Procedure</b>	1 x wash + 1 x autoclave (= 1 cycle) Test result after 3 cycles
<b>Wash</b>	Industrial washing machine, 11 kg: 60 °C Load: 60% (6.6 kg) Detergent: pH 11 No dry tumbling
<b>Autoclave</b>	Is used right after wash 121 °C 30 min.

**Autoclave is a specially developed machine for sterilisation of products. The machine is filled with steam under pressure. The product is being exposed to saturated steam with a temperature of 121 °C in 30 minutes.**





# TEST RESULT

## Mikro Cleany Mop Whiteboard

<b>Test result 1</b> (-) decrease (+) increase	<b>Width</b>	<b>Length</b>
<b>Shrinkage</b>	+0.8%	-4.5%
<b>Art. no.</b>	FV-28-32-H	

### Test result 2

Visual check after autoclaving:



- No damage on the pile
- No change in the adhesive power of the velcro
- Color bleeding on the pile may happen when autoclaving with products in other colors
- Yellow color phenomenon can occur on the velcro
- Please note: use of autoclave reduces the washing guarantee with ca 50%  
(Nordic Swan eco-labelled products tolerate +500 washes when washed correctly)