



# TEST REPORT

## Puri-Line

### Micro Ultra, High, High Plus Mop

Test item: Bacteria pick-up rate (microorganisms)  
ISO standard: 6330:2021  
Report no.: DL-20230713-13  
Test date: 05.06.2023  
Issue date: 13.07.2023

**Puri-Line  
Micro Ultra Mop  
90% recycled fibers**



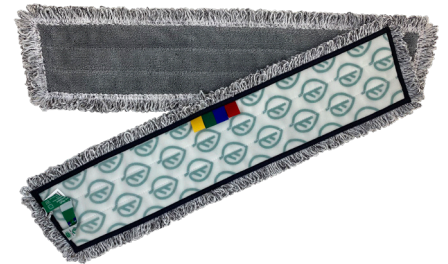
**1999912521  
1999914007**

**Puri-Line  
Micro High Mop  
90% recycled fibers**



**1000007832  
1000007831  
1000007830**

**Puri-Line  
Micro High Plus Mop  
55% recycled fibers**



**1000007834  
1000007833**

For test result please see next page



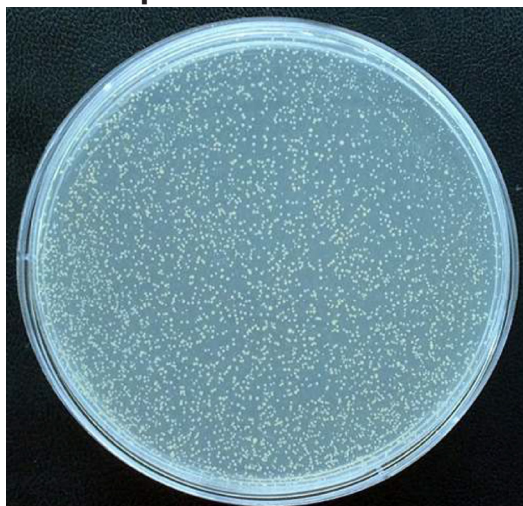
# TEST RESULT

## Puri-Line

### Micro Ultra, High, High Plus Mop

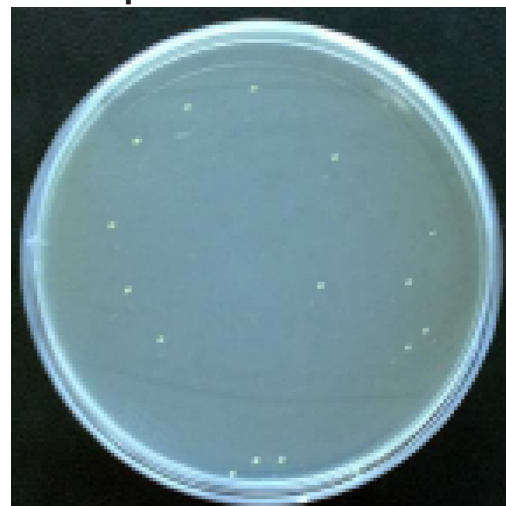
<b>Bacteria pick-up rate (%)</b>	Before washing: <b>99.9 %</b> After washing (300 times): <b>99.9%</b>
<b>Test bacteria</b>	Staphylococcus aureus ATCC 6538. Exists in e.g. kitchens, on kitchen utensils, in foodstuffs and dairy products. Causes: vomit, food poisoning and diarrhea.
<b>Art. no.</b>	1999912521, 1999914007, 1000007832, 1000007831 1000007830, 1000007833, 1000007834

**Before wipe:**



**Bacteria**  
**Staphylococcus aureus**

**After wipe:**



**Bacteria**  
**Staphylococcus aureus**

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

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

$M_b$  = 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

## Puri-Line

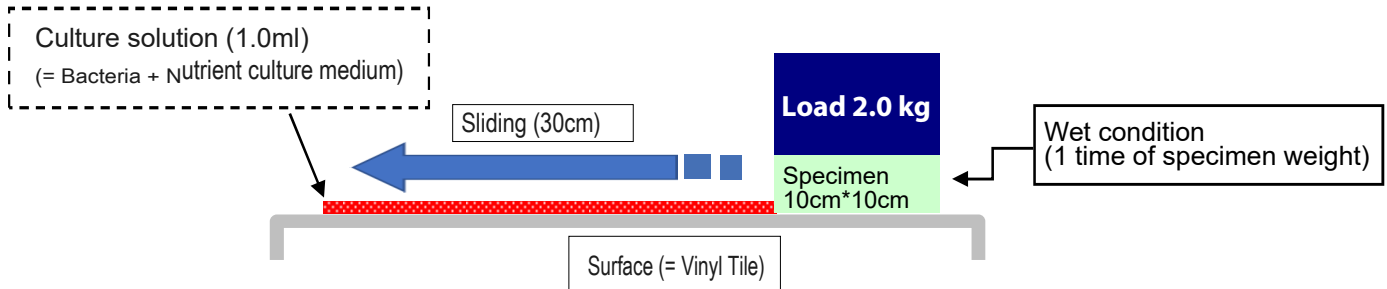
### Micro Ultra, High, High Plus Mop



#### Test conditions:

Amount of water	1 time of specimen weight
Load weight	2 kg
Surface	Vinyl tile (wax coated)
Sliding range	30 cm
Washing condition	Industry washing machine, 90 °C Alkali detergent Washing times: 300 times

#### Illustration of the test method:



#### CONCLUSION

Puri-Line Micro Ultra, High and High Plus Mop has a documented pickup of microorganisms of min. 99.9%.

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.

# CERTIFICATE

The independent laboratory Weber & Leucht issues a certificate to

## Abena A/S

Egelund 35  
6200 Aabenraa  
Denmark

for the testing of

## Cleaning textiles: Microplastic loss rate/ MLC-Index

Products tested:

### Puri-Line high micro plus moppe, 55% recycled fiber

in accordance to the following standard(s)

SP\_0142:2018 - Microparticle loss rate for cleaning textiles / MLC-Index

Microparticle loss rate: 175,5 mg/m<sup>2</sup> [100 cycles]

**MLC-Index:--- A --- LOW ---**

This certificate refers exclusively to the results of the report 71583 from 06.10.2023

Fulda, 30.10.2023

  
Dipl. Ing. (FH) Stephanie Leucht

Date

Signature



*This certificate with the registration no. WL-0181  
is valid until 30.10.2025*

# CERTIFICATE

The independent laboratory Weber & Leucht issues a certificate to

## Abena A/S

Egelund 35  
6200 Aabenraa  
Denmark

for the testing of

## Cleaning textiles: Microplastic loss rate/ MLC-Index

Products tested:

### Puri-Line high micro moppe, 90% recycled fiber

in accordance to the following standard(s)

SP\_0142:2018 - Microparticle loss rate for cleaning textiles / MLC-Index

Microparticle loss rate: 84,2 mg/m<sup>2</sup> [100 cycles]

**MLC-Index:--- A --- LOW ---**

This certificate refers exclusively to the results of the report 71583 from 06.10.2023

  
Dipl. Ing. (FH) Stephanie Leucht

Fulda, 30.10.2023

Date

Signature



*This certificate with the registration no. WL-0180  
is valid until 30.10.2025*

# CERTIFICATE

The independent laboratory Weber & Leucht issues a certificate to

## Abena A/S

Egelund 35  
6200 Aabenraa  
Denmark

for the testing of

## Cleaning textiles: Microplastic loss rate/ MLC-Index

Products tested:

### Puri-Line Micro Ultra moppe, 90% recycled fiber

in accordance to the following standard(s)

SP\_0142:2018 - Microparticle loss rate for cleaning textiles / MLC-Index

Microparticle loss rate: 135,8 mg/m<sup>2</sup> [100 cycles]

**MLC-Index:--- A --- LOW ---**

This certificate refers exclusively to the results of the report 71583 from 06.10.2023

  
Dipl. Ing. (FH) Stephanie Leucht

Fulda, 30.10.2023

Date

Signature



*This certificate with the registration no. WL-0174  
is valid until 30.10.2025*