


Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
Test Report 68429		
Created by: Andrea Freda Proofed by: Agnes Beil	Page 1 of 4	
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Weber & Leucht GmbH · Am Röhlingsberg 20 · D-36043 Fulda

Arcora International GmbH

Marsstr. 9
85609 Aschheim

Employer	Sabine Antoni
Date of order	31.08.2015
Receipt of sample	01.09.2015 and 30.09.2015
WO-No.	999 -3
Sample material	Mopp for swanlabel approval Ecomop Hygiene Mopp, Art. EHHM40BL
Test assignment	Nordic Swan Testing: Products for professional use R35 removal dust and dirt (cleaning efficiency) R38 Absorption according to ISO 9073-12 ^x R20 Dimensional Changes ISO 5077 R36 Hygiene Test – Microbiological Cleaning Test ^u R21 Colour Fastness (ISO 105-C06) R37 Abrasion Test according to DIN EN ISO 12947-1 ISO DIS 6330 – 50 washes at 60 °C
Date of analysis	07.09. – 02.11.2015
Test result	Following page (s)



The accreditation is valid for the scope of accreditation listed in the certificate system. Non-accredited methods are characterized by ^x.

^u Analysis carried out by sub-order




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TESTRESULTS

1. R35 Removal Dust and Dirt

Removal of dust and dirt after washing, DIN EN ISO 6330 at 60°C

Surface	Dirt	Use	Cleaning efficiency	Test Criteria
Ceramic Tile SF11	Dust A23	Damp	87%	≥70%
PVC-flooring PL-03	Dust A23	Damp	90%	≥70%
Ceramic Tile SF 11	Muddy Dirt A05	Damp	100%	≥70%
PVC-flooring PL-03	Muddy Dirt A05	Damp	100%	≥70%

2. R38 – absorption Test performed on a new textile^x


DAC-Value g/g	Test Criteria DAC g/g	MAR-Value g/s	Test Criteria MAR g/s
3,9	Minimum 2,5	1,4	> 0,6

3. R20 – Dimensional Change: ISO 5077 after 3 washes and drying

Method: 1N, 95°C

Average of three tests

	Length	Width
Dimensional Change (%)	-6	-3,1

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4. R21 – colour fastness to washing:
(Staining min. 3-4 / change in colour min. 3-4)

**Colour Fastness to domestic and commercial laundering (ISO 105-C06:2010)
DIN EN ISO 105-C06:2010**

Adjacent fabric: Multifire adjacent fabric Type „TV“
 Testing method: C1S and E1S
 Temperature: 60°C and 95 °C
 Detergent: ECE-detergent with phosphate
 Using of steel balls: yes

Article/ Colour	Staining CV Note*	Staining PAN Note*	Staining PES Note*	Staining PA Note*	Staining CO Note*	Staining CTA Note*	Change in Colour Note*
Hygiene Mopp 60°C	5	5	5	4-5	5	5	4-5
Hygiene Mopp 95°C	4-5	4-5	4	2-3	4-5	4	3-4
Edge binding 95°C	4-5	4-5	4-5	3-4	4-5	4-5	4-5


*The final mark is performed instrumentally by ISO 105-A04 und ISO 105-A05.

(Note 1 = strong change in colour to Note 5= no change in colour)

CV - Viscose
 PAN - Polyacryl
 PES - Polyester
 PA - Polyamide
 CO - Cotton
 CTA - Triacetate

5. Abrasion Test performed on a new textile

Surface	Pressure/Cycles	Gloss Differential	Test Criteria
Polycarbonate (Makrolon)	9kPa, 25.000 cycles	6,2	< 20

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6. R36 Hygiene Test^U

Standardmethod of the VAH for testing chemical disinfectants (2001/09):
According to VAH Method 14: Surface Disinfectant – practice test on non-porous surfaces „with mechanics“
– bactericidal and fungicidal activity

Active ingredient: ---
Neutralizing agent: ----
Test temperature: 20°C
Loading substance: 3,0 g/l BSA + 3 ml/l Bovine serum albumine
Diluting agent: Water standardized hardness (WSH)
Incubation: 37°C/ 24 h
Counting procedures: pour plate method
Bacterial strain: *Staphylococcus aureus* ATCC 6538
Escherichia coli ATCC 10536

	Log reduction	Reduction of bacterias%
E. coli	2,72	99,81%
S. Aureus	2,50	99,68%

The test results are based on the state of the submitted sample as delivered. Copies of this report or of parts hereof are subject to our consent. We refer to the use of the test report explicitly to our Terms and Conditions. These can be found under www.weber-leucht.com | AGB

Dipl.-Ing.(FH) Stephanie Leucht

DATE/SIGNATURE/STAMP