


Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
<b>Test Report 68430</b>		
Created by: Andrea Freda Proofed by: Agnes Beil	Page 1 of 5	
		Appendix: ./.

Weber & Leucht GmbH · Am Röhlingsberg 20 · D-36043 Fulda

## Arcora International GmbH

**Marsstr. 9**  
**85609 Aschheim**

<b>Employer</b>	Sabine Antoni
<b>Date of order</b>	31.08.2015
<b>Receipt of sample</b>	01.09.2015 and 30.09.2015
<b>WO-No.</b>	999-4 - 999-7
<b>Sample material</b>	Microfiber cloth for swanlabel approval Arcotex Super-Line, 4 colors Art: ASPL3232BL, blau Art: ASPL3232GR, grün Art: ASPL3232RO, rosa Art: ASPL3232GE, gelb
<b>Test assignment</b>	Nordic Swan Testing: Products for professional use R35 removal dust and dirt (cleaning efficiency) R38 Absorption according to ISO 9073-12 <sup>x</sup> R20 Dimensional Changes ISO 5077 R36 Hygiene Test – Microbiological Cleaning Test <sup>u</sup> R21 Colour Fastness (ISO 105-C06) R37 Abrasion Test according to DIN EN ISO 12947-1 ISO DIS 6330 – 50 washes at 60 °C
<b>Date of analysis</b>	07.09. – 02.11.2015
<b>Test result</b>	Following page (s)

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


<sup>u</sup> Analysis carried out by sub-order

**Application Lab**  
**Weber & Leucht GmbH**  
Am Röhlingsberg 20  
D-36043 Fulda

**Contact**  
Phone: +49 661 38056-72  
Fax: +49 661 38056-73  
Mail: lab@weber-leucht.com

**Management:**  
Dipl.-Ing. (FH) Stephanie Leucht  
Dipl.-Ing. (FH) Thomas Leucht  
Amtsgericht Fulda, HRB 5546

Our General Terms and Conditions:  
www.weber-leucht.com | AGB

Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
<b>Test Report 68430</b>		
Created by: Andrea Freda Proofed by: Agnes Beil	Page 2 of 5	
		Appendix: ./.



Corporate Member

## TESTRESULTS

### 1. R35 Removal Dust and Dirt

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


Art: ASPL3232BL, blau

Surface	Dirt	Use	Cleaning efficiency	Test Criteria
Ceramic Tile SF11	Dust A23	Damp	87%	≥85%
PVC-flooring PL-03	Dust A23	Damp	93%	≥85%
Ceramic Tile SF 11	Muddy Dirt A05	Damp	100%	≥85%
PVC-flooring PL-03	Muddy Dirt A05	Damp	100%	≥85%

### 2. R38 – absorption Test performed on a new textile<sup>x</sup>

Art: ASPL3232BL, blau

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

Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
<b>Test Report 68430</b>		
Created by: Andrea Freda Proofed by: Agnes Beil	Page 3 of 5	
		Appendix: ./.

**3. R20 – Dimensional Change: ISO 5077 after 3 washes and drying**  
Method: 1N, 95°C

Art: ASPL3232BL, blau

Average of three tests

	Length	Width
Dimensional Change (%)	-2,4	-4,4

**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  
Temperature: 60°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*
Col. Blau 60°C	4-5	5	4-5	3-4	4-5	4-5	4
Col. Grün 60°C	4-5	5	4-5	3-4	4-5	4	4-5
Col. Rosa 60°C	4-5	4-5	4	3	4-5	4	4
Col. Gelb 60°C	4	4-5	4	2-3	4	4	3-4

\*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

Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
<b>Test Report 68430</b>		
Created by: Andrea Freda Proofed by: Agnes Beil	Page 4 of 5	
		Appendix: ./.

## 5. Abrasion Test performed on a new textile

Art: ASPL3232BL, blau

Surface	Pressure/Cycles	Gloss Differential	Test Criteria
Polycarbonate (Makrolon)	9kPa, 25.000 cycles	9,7	< 20

## 6. R36 Hygiene Test<sup>U</sup>


Art: ASPL3232BL, blau

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	3,84	99,99%
S. Aureus	1,92	98,79%

Version: 1	Date : 03.11.2015	 <i>Testing and Engineering for Surface-, Cleaning- and Textile-Technology</i>
<b>Test Report 68430</b>		
<b>Created by:</b> Andrea Freda <b>Proofed by:</b> Agnes Beil	Page 5 of 5 Appendix: ./	

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](http://www.weber-leucht.com) | AGB

Dipl.-Ing.(FH) Stephanie Leucht

DATE/SIGNATURE/STAMP