

## Gabriel internal test report for bleach cleanability

<b>Test performed:</b>	22 November 2021
<b>Test:</b>	BIFMA HCF 8.1-2019 Health Care Furniture design guidelines or cleanability & ACT Test Method 1-2020
<b>Bleach concentration:</b>	1:10 Sodium Hypochlorite 5.25 – 6.25 %
<b>Product tested:</b>	2315 Cyber – 100% post-consumer recycled polyester

Gabriel tests all polyester fabrics, and tests include all colour options for each fabric. Tests are conducted in accordance with BIFMA's and ACT's recommended cleanability guidelines for use of cleaners, sanitisers and disinfectants on fabrics in hospitals and health care settings. The test result for each colour includes an assessment of the risk for colour change, when bleach is applied to the fabric in the concentrations required in health care environments.

When choosing a bleach-cleanable product, it is important to be aware that a variety of test methods to evaluate bleach resistance exist. Consequently, we recommend that you always ensure that the test method applied to a specific fabric meets the requirements - in terms of bleach concentration, application and contact time - for the specific context and environment in which the fabric will be used.

The test method applied by Gabriel is extremely thorough, and we consider it to be the best test available to assess and inform about the risk for colour change when using chlorine products.

### Test description

1 ml of hospital grade disinfectant cleaner - diluted in accordance with the manufacturer's instructions - is applied to the centre of the test specimen. The solution is allowed to set for a period of two hours, after which any remaining liquids are blotted up (on both face and back).

The process is repeated for a total of ten times. Two hours after the 10<sup>th</sup> application, three ml of water are applied, excess fluids are blotted up with a clean white cloth, and the test specimen is allowed to air dry. The last step is repeated if chemical residue remains.

The material is evaluated by comparing the test specimen with AATCC Grey Scale for Color change.

### Rating system – Grades according to AATCC Grey scale

Grade 5 – Very good-excellent

Grade 4 – Good

Grade 3 – Fair-moderate

Grade 2 – Poor behaviour

Grade 1 – Very poor

### Acceptance criteria according ACT/BIFMA.

**Colour Change:** Grade 4 minimum

**Colour Transfer:** Not permitted

**Physical damage:** Not permitted

Fabric	Colour	Name	Risk for colour changes*	Result
Cyber	3101	Black	Low	5
Cyber	1101	Beige	Low	4-5
Cyber	1201	Light red	Low	4-5
Cyber	1302	Brown Green	Low	4-5
Cyber	1701	Light Green	Low	4-5
Cyber	1801	Dark Yellow Brown	Low	4-5
Cyber	1802	Grey Brown	Low	4-5
Cyber	1901	Light Grey	Low	4-5
Cyber	2101	Brown	Low	4-5
Cyber	2701	Light Red	Low	4-5
Cyber	2901	Grey	Low	4-5
Cyber	3001	Orange Green	Low	4-5
Cyber	1102	Light Yellow	Low	4
Cyber	1301	Dark green	Low	4
Cyber	1401	Light Red	Low	4
Cyber	1501	Dark Red	Low	4
Cyber	1601	Blue	Low	4
Cyber	1803	Dark Turquoise	Low	4
Cyber	2001	Light Brown	Low	4
Cyber	2102	Dark Grey	Low	4
Cyber	2201	Orange	Low	4
Cyber	2301	Green	Low	4
Cyber	2401	Light Blue	Low	4
Cyber	2502	Dark Blue	Low	4
Cyber	2601	Turquoise	Low	4
Cyber	2801	Red	Low	4
Cyber	2501	Blue	Medium	3-4

\*) Low risk = Grade 4-5; Medium risk = Grade 3-4; High risk = Grade 3 and below

Gabriel A/S confirms that the above results were obtained after testing the specimen in accordance with the procedures and equipment specified above.

**Gabriel A/S**



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