

Gabriel internal test report for bleach cleanability

Test performed:	20 June 2023
Test:	BIFMA HCF 8.1-2019 Health Care Furniture design guidelines or cleanability & ACT Test Method 1-2020
Bleach concentration:	1:10 Sodium Hypochlorite 5.25 – 6.25 %
Product tested:	Cubic – 100% 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, sanitizers 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 center 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 10th 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
40408890	65142	Light Purple	Low	5
40408890	66140	Grey Blue	Low	5
40408890	68275	Light Green	Low	5
40408890	60999	Black	Low	5
40408890	68274	Yellow Green	Low	4-5
40408890	60095	Light Grey	Low	4-5
40408890	61269	Light Red Brown	Low	4-5
40408890	66249	Light Blue	Low	4-5
40408890	61128	Beige	Low	4-5
40408890	61271	Brown	Low	4-5
40408890	63127	Light Orange	Low	4-5
40408890	68277	Dark Yellow Green	Low	4-5
40408890	60011	Grey	Low	4-5
40408890	60025	Dark Grey	Low	4-5
40408890	63057	Dark Orange	Low	4-5
40408890	64117	Light red	Low	4-5
40408890	67043	Blue Green	Low	4-5
40408890	61270	Light Yellow Brown	Low	4
40408890	64255	Light Red	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



Kurt Nedergaard
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