

Gabriel internal test report for bleach cleanability

Test performed:	05. Oct. 2020
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:	8598 Event – 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, 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 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
Event	60000	White	Low	4-5
Event	66038	Light Blue	Low	4
Event	67019	Dark Green	Low	4
Event	67020	Green	Low	4
Event	60022	Grey	Medium	3-4
Event	60023	Dark Grey	Medium	3-4
Event	61032	Beige	Medium	3-4
Event	62013	Yellow	Medium	3-4
Event	64032	Red	Medium	3-4
Event	65017	Dark Purple	Medium	3-4
Event	65018	Blue Violet	Medium	3-4
Event	66033	Dark Blue	Medium	3-4
Event	66034	Dark Blue	Medium	3-4
Event	66035	Dark Blue	Medium	3-4
Event	66036	Blue Violet	Medium	3-4
Event	66037	Dark Blue	Medium	3-4
Event	67018	Blue Green	Medium	3-4
Event	68033	Green	Medium	3-4
Event	60999	Black	High	3
Event	61031	Brown	High	3
Event	63013	Brown	High	3
Event	64030	Red	High	3
Event	64031	Red	High	3
Event	68032	Green	High	3

o) 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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