

Gabriel internal test report for bleach cleanability

Test performed:	21 Aug 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:	Step Melange Screen – 100% Trevira CS

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
2306	68518	Light Green	Low	4-5
2306	60504	Light Grey	Low	4-5
2306	67504	Light Blue Green	Low	4-5
2307	68501	Yellow Green	Low	4-5
2307	61587	Light Beige	Low	4-5
2307	60545	Light Grey	Low	4-5
2307	63537	Red Orange	Low	4-5
2307	61586	Light Beige	Low	4-5
2305	66563	Blue	Low	4
2305	61591	Brown	Low	4
2307	62544	Light Yellow	Low	4
2307	62543	Light Yellow	Low	4
2305	68561	Dark Green	Medium	3-4
2305	66519	Blue Grey	Medium	3-4
2305	66565	Dark Blue	Medium	3-4
2306	68519	Green	Medium	3-4
2307	67535	Turquoise	Medium	3-4
2307	68599	Light Green	Medium	3-4
2307	63536	Light Orange	Medium	3-4
2307	63539	Light Orange	Medium	3-4
2305	60511	Grey	High	3
2305	64570	Dark Red	High	3
2307	64567	Light Red	High	3
2307	62546	Yellow	High	3

*) 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
 Director of CSR & Quality