

Gabriel internal test report for bleach cleanability

Test performed:	21 April 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:	Lense – 55% post-consumer recycled polyester / 45% 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
Lense	66245	Blue	Low	4-5
Lense	67127	Turquoise	Low	4-5
Lense	68268	Light Green	Low	4
Lense	67126	Light Turquoise	Low	4
Lense	66247	Light Blue	Low	4
Lense	66248	Blue	Low	4
Lense	65140	Grey Purple	Low	4
Lense	64240	Light Red	Low	4
Lense	61267	Light Beige	Low	4
Lense	60105	Light Grey	Low	4
Lense	62134	Light Yellow	Low	4
Lense	68271	Light Green	Low	4
Lense	65011	Blue Purple	Medium	3-4
Lense	66246	Green Blue	Medium	3-4
Lense	63123	Dark Orange	Medium	3-4
Lense	63126	Light Orange	Medium	3-4
Lense	61268	Beige	Medium	3-4
Lense	60999	Black	Medium	3-4
Lense	60106	Grey	Medium	3-4
Lense	65141	Violet	Medium	3-4
Lense	62133	Light Yellow	Medium	3-4
Lense	68272	Green	Medium	3-4
Lense	65139	Blue Purple	High	3
Lense	63124	Red Orange	High	3
Lense	63012	Light Orange	High	3
Lense	64254	Dark Brown Red	High	3
Lense	60332	Dark Grey	High	3
Lense	60108	Dark Grey	High	3
Lense	62132	Dark Yellow	High	3
Lense	68269	Yellow Green	High	3
Lense	68270	Dark Yellow Green	High	3
Lense	68273	Dark Green	High	3
Lense	66149	Blue	High	2-3
Lense	63125	Light Orange	High	2-3
Lense	61266	Dark Brown	High	2-3
Lense	65103	Dark Violet	High	2-3

**) 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