

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:	2488 Chili - 75% post-consumer recycled polyester fr / 25% polyester fr

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
Chili	68194	Dark Green	Low	4-5
Chili	63093	Light Orange	Low	4
Chili	66173	Blue	Low	4
Chili	60114	Light Grey	Medium	3-4
Chili	60115	Light Grey	Medium	3-4
Chili	60117	Blue Grey	Medium	3-4
Chili	60999	Black	Medium	3-4
Chili	61174	Light Beige	Medium	3-4
Chili	62085	Green Yellow	Medium	3-4
Chili	64200	Red	Medium	3-4
Chili	66171	Blue	Medium	3-4
Chili	66172	Light Blue	Medium	3-4
Chili	66175	Light Blue	Medium	3-4
Chili	67085	Turquoise	Medium	3-4
Chili	68190	Blue Green	Medium	3-4
Chili	68191	Light Green	Medium	3-4
Chili	68195	L. Yellow Green	Medium	3-4
Chili	68196	Yellow Green	Medium	3-4
Chili	68197	Yellow Green	Medium	3-4
Chili	65107	Light Violet	High	3
Chili	65108	Violet	High	3
Chili	66174	Dark Blue	High	3
Chili	68189	Light Blue Green	High	3
Chili	68192	Light Green	High	3
Chili	68193	Green	High	3
Chili	60081	Blue Grey	High	2-3
Chili	60083	Grey	High	2-3
Chili	60116	Grey	High	2-3
Chili	62086	Yellow	High	2-3
Chili	63090	Orange	High	2-3
Chili	64197	Light Red	High	2-3
Chili	64199	Light Red	High	2-3
Chili	65109	Dark Purple	High	2-3
Chili	65110	Dark Violet	High	2-3
Chili	66176	Blue	High	2-3
Chili	68198	D. Yellow Green	High	2-3
Chili	61171	Brown	High	2
Chili	61172	Beige	High	2
Chili	61173	Yellow Brown	High	2
Chili	63092	Light Orange	High	2
Chili	63099	Dark Orange	High	2
Chili	64201	Red	High	2
Chili	64202	Dark Red	High	2
Chili	61175	Brown	High	1-2
Chili	64198	Dark Red	High	1-2
Chili	64203	Dark Red	High	1-2

Chili 65111 Light Violet High 1-2

**) 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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