

Gabriel internal test report for bleach cleanability

Test performed:	28 February 2022
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:	2480/2544 Cura – 98% post-consumer recycled polyester/ 2% 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
Cura	62126	Light Yellow	Low	4-5
Cura	60000	Off white	Low	4-5
Cura	61232	L. Beige	Low	4-5
Cura	68262	Light Green	Low	4-5
Cura	60999	Black	Low	4-5
Cura	60327	Grey	Low	4
Cura	61259	Beige	Low	4
Cura	66239	Blue	Low	4
Cura	66240	Light Blue	Low	4
Cura	68263	Green	Low	4
Cura	64240	L. Red	Low	4
Cura	68264	Dark Green	Medium	3-4
Cura	62125	Light Yellow	Medium	3-4
Cura	61233	D. Beige	Medium	3-4
Cura	61257	Orange Brown	Medium	3-4
Cura	61258	Brown	Medium	3-4
Cura	68261	Green	Medium	3-4
Cura	61260	Yellow Brown	High	3
Cura	64252	Dark Red	High	2-3
Cura	65137	Dark Purple	High	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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