

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:	2502 Noma - 50% post-consumer recycled polyester fr / 50% 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
Noma	61191	Light Beige	Low	4-5
Noma	68215	Green	Low	4-5
Noma	61192	Beige	Low	4
Noma	62102	Yellow	Low	4
Noma	67102	Light Turquoise	Low	4
Noma	67105	Turquoise	Low	4
Noma	67106	Dark Turquoise	Low	4
Noma	68214	Yellow Green	Low	4
Noma	68216	Light Green	Low	4
Noma	66196	Blue	Low	4
Noma	60136	Light Grey	Medium	3-4
Noma	60138	Grey	Medium	3-4
Noma	60999	Black	Medium	3-4
Noma	64219	Red	Medium	3-4
Noma	64220	Red	Medium	3-4
Noma	66195	Blue	Medium	3-4
Noma	67103	Light Turquoise	Medium	3-4
Noma	67104	Dark Turquoise	Medium	3-4
Noma	67107	Light Turquoise	Medium	3-4
Noma	68212	Yellow Green	Medium	3-4
Noma	68213	Yellow Green	Medium	3-4
Noma	68217	Dark Green	Medium	3-4
Noma	66197	Dark Blue	Medium	3-4
Noma	60135	Dark Grey	High	3
Noma	60137	Grey	High	3
Noma	61193	Red Brown	High	3
Noma	62101	Brown Yellow	High	3
Noma	64218	Dark Red	High	3
Noma	63103	Orange	High	2
Noma	64217	Light Red	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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